AIR FORCE OCCUPATIONAL MEASUREMENT CENTER LACKLAND A--ETC F/G 5/9 ELECTRONICS PRINCIPLES OCCUPATIONAL SURVEY REPORT, INTEGRATED A--ETC(U) AD-A040 750 **DEC 76** UNCLASSIFIED AFPT-90-326-222 NL 1 OF 3 ADA 040750

AD A 040750

OCCUPATIONAL SURVEY REPORT



ELECTRONICS PRINCIPLES OCCUPATIONAL SURVEY REPORT, INTEGRATED AVIONICS COMPONENT CAREER LADDER AFSCS 326X1C, 326X1D, AND 326X1E.

AFPT-90-326-222

(//) 27 DECEMBER 1976

OCCUPATIONAL SURVEY BRANCH USAF OCCUPATIONAL MEASUREMENT CENTER

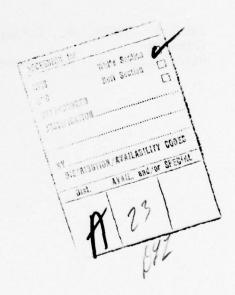
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## TABLE OF CONTENTS

|   | PAGE<br>NUMBER |
|---|----------------|
| PREFACE   | 2              |
| INTRODUCTION  | 3              |
| DEVELOPMENT OF THE ELECTRONICS PRINCIPLES INVENTORY (EPI)           | 3              |
| ADMINISTRATION  | 4              |
| SUMMARY OF BACKGROUND INFORMATION FOR 326X1 CAREER LADDER PERSONNEL | 6              |
| GENERAL RESULTS   | 9              |
| IN DEPTH ANALYSIS OF THE GENERAL RESULTS                            | 12             |
| APPENDIX  | 23             |



#### PREFACE

This report presents a summary of the results of a detailed Air Force Electronics Principles survey of the Integrated Avionics Component career ladder, AFSCs 326X1C, 326X1D, and 326X1E.

The Electronics Principles Inventory (EPI) was developed by Major Thomas J. O'Connor and Mr. Hendrick W. Ruck and the survey data were analyzed by Major O'Connor and Mr. Guy B. Cole. All are members of the Occupational Survey Branch, USAF Occupational Measurement Center, Lackland AFB, Texas.

Computer programs for analyzing the data were designed by Dr. Raymond E. Christal, Occupational and Manpower Research Division, Air Force Human Resources Laboratory (AFHRL), and were written by the Project Analysis and Programming Branch, Computational Sciences Division, AFHRL.

Distribution of this report is made upon request to the USAF Occupational Measurement Center, attention of the Chief, Occupational Survey Branch (OMY), Lackland AFB, Texas 78236.

This report has been reviewed and is approved.

JAMES A. TURNER, JR., Colonel, USAF Commander USAF Occupational Measurement Center WALTER E. DRISKILL, Ph.D. Chief, Occupational Survey Branch USAF Occupational Measurement Center

# ELECTRONICS PRINCIPLES OCCUPATIONAL SURVEY REPORT INTEGRATED AVIONICS COMPONENT CAREER LADDER AFSCs 326X1C, 326X1D, AND 326X1E

#### INTRODUCTION

This report summarizes the results of the administration of the Electronics Principles survey to airmen assigned to Integrated Avionics Component specialties including 326X1C, Manual Avionics AGE Test Station Operator; 326X1D, Automatic Avionics AGE Test Station Operator; and 326X1E, Avionics AGE Operator of Internal and External Penetration Aids. The data for this report were collected during the period 1 May through 30 August, 1976.

This report describes: (1) development and administration of the survey instrument; (2) summaries of background information which reflect the population of the survey sample; and (3) electronics principles used by personnel at various points in their career progression.

#### DEVELOPMENT OF THE ELECTRONICS PRINCIPLES INVENTORY (EPI)

Development of the EPI involved personnel from the Occupational Survey Branch working on the project who were well qualified in theoretical physics and electronics as well as having expertise in task analysis and survey development. Over 300 maintenance personnel from SAC, TAC, ADC, MAC, and AFCS participated in the development of the inventory. Electronics experts from the five ATC training centers, who averaged 12 years of maintenance experience and four years of electronics principles instruction experience, spent several weeks refining the EPI.

In addition, personnel at the Electrical Engineering Department of the USAF Academy and the Air Force Human Resources Laboratory were consulted during the development of the inventory.

The EPI contained 1,257 items in 62 subject matter areas covering all electronics principles training given at the five ATC technical training centers.

#### **ADMINISTRATION**

The Electronics Principles Inventory (EPI) was administered in person and by mail to 1,097 airmen worldwide assigned to all shreds of the 326XX career ladders. This total represents approximately 31 percent of the airmen assigned to these career ladders, as of 30 June 1976.

This report mainly presents the results of the data from the 326X1 career ladder. Two other separate reports have been written to cover the 326X0 and the 326X2 career ladders. Table 1 reflects the distribution of assigned personnel and percentage sampled in each of the three shreds of the 326X1 ladder. Responses were received from over 20 percent of each shred of 326X1.

TABLE 1

326X1 COMMAND REPRESENTATION

| 326X1E  PERCENT OF         | SAMPLE    |       | 16 - 14 63                |          | 1        | 100%  |                |              |                                      |
|----------------------------|-----------|-------|---------------------------|----------|----------|-------|----------------|--------------|--------------------------------------|
| PERCENT OF                 | ASSIGNED  |       | 8<br>16<br>-              |          | 7        | 100%  | 258            | 87           | 34%                                  |
| 326X1D<br>F PERCENT OF     | SAMPLE    |       | 10<br>20<br>-<br>62       |          | <b>ω</b> | 100%  |                |              |                                      |
| PERCENT OF                 | ASS IGNED |       | 8<br>13<br>17             |          | 1        | 100%  | 738            | 147          | 20%                                  |
| PERCENT OF                 | SAMPLE    |       | 16<br>20<br>1<br>50       |          | 13       | 100%  |                |              |                                      |
| 326X1C<br>PERCENT OF PERCE | ASSIGNED  |       | 12<br>1<br>68             |          | =        | 100%  | 290            | 70           | 24%                                  |
|                            | COMMAND   | CONUS | ATC<br>SAC<br>AFSC<br>TAC | OVERSEAS | USAFE    | TOTAL | TOTAL ASSIGNED | TOTAL SAMPLE | PERCENT OF TOTAL<br>ASSIGNED SAMPLED |

#### SUMMARY OF BACKGROUND INFORMATION FOR 326X1 CAREER LADDER PERSONNEL

#### Assignment to Career Ladder

Over 60 percent of the respondents in each shred were assigned to their present specialty after completing resident technical training. Of the remainder, most were retrained from another specialty, with a few being reclassified or converted from another career ladder without technical training. None reported direct duty assignment from basic training.

#### Job Satisfaction

Table 2 compares Integrated Avionics Component (326X1) personnel with members in the 326X0 and 326X2 career ladders in terms of job satisfaction. Also shown is data reflecting the job satisfaction of incumbents in other Air Force specialties surveyed in 1975. Personnel in the D shred of 326X1, the A shred of 326X0, and the C shred of 326X2 find their jobs less interesting than members of the other shreds within the same career ladder.

#### Perceived Utilization of Talents and Training

Table 3 presents the perceived utilization of talents and training factors for the 326Xl shreds, the 326X0 shreds, and the 326X2 shreds. For comparison purposes, the average results from 35 other career ladders surveyed in 1975 are also given. The survey data reflect that 42 percent of the 326X0A personnel, 45 percent of 326X1D personnel, and 41 percent of the 326X2C personnel felt that their training was being utilized very little or not at all. A similar pattern is noted for these same AFSCs when comparing how their job utilizes their talents. A highly significant finding is that 63 percent of the 326X2C personnel perceive that their job utilizes their talents very little or not at all.

108 SATISFACTION

TOTAL SAMPLE BY SHRED (PERCENT MEMBERS RESPONDING)

|                | 326X0A<br>(N=36) | 326x0B<br>(N=70) | 326x0C*<br>(N=3) | 326X0D<br>(N=33) | 326X1C<br>(N=70) | 326X1D<br>(N=147) | 326X1E<br>(N=87) | 326X2A<br>(N=164) | 326X2B<br>(N≈146) | 326X2C<br>(N=155) | SPECIA<br>(N=21, |
|----------------|------------------|------------------|------------------|------------------|------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|
| I FIND MY JOB: |                  |                  |                  |                  |                  |                   | -                |                   |                   |                   |                  |
| INTERESTING    | 59               | 80               | 19               | 70               | 74               | 54                | 17               | 69                | 57                | 35                | 9                |
| 80-50          | 22               | 1                | •                | 6                | 10               | 23                | 18               | 21                | 20                | 56                |                  |
| סמרר           | 19               | 13               | 33               | 18               | 16               | 23                | 11               | 19                | 21                | 36                |                  |
| NOT RESPONDING | •                | •                |                  | 8                |                  |                   |                  | -                 | 2                 |                   |                  |

15

\* Survey sample too limited for significant results

\*\* Based on responses from incumbents in 35 other career ladders surveyed during 1975.

TABLE 3

PERCETVED UTILIZATION OF TALENTS AND TRAINING

(PERCENT MEMBERS RESPONDING)

| OTHER AF<br>SPECIALTIES<br>(N=21,107) ** | 26<br>26<br>48   | 26<br>26<br>48  |
|--|--|---|
| 326X2C<br>(N=155)                        | 63<br>12<br>12   | 41<br>19<br>1   |
| 326X2B<br>(N=146)                        | 37<br>29<br>1  | 27<br>38<br>33<br>2   |
| 326X2A<br>(N=164)                        | 30   | 25<br>338<br>35<br>2  |
| 326X7E<br>(N=87)                         | 24<br>29<br>46   | 25<br>33<br>42  |
| 326X1D<br>(N=147)                        | 42<br>34<br>22<br>2  | 45 21 21  |
| 326x1C<br>(N=70)                         | 27<br>40<br>33   | . 34333   |
| 326X0D<br>(N=33)                         | 24<br>39<br>37   | 8 8 8 °C  |
| 326X0C*<br>(N=3)                         | 33 67  | 33 - 67   |
| 326X0B<br>(7=70)                         | - 63<br>- 63<br>- 63<br>- 63<br>- 63<br>- 63<br>- 63<br>- 63                 | 51336   |
| 326X0A<br>(N=36)                         | 33<br>39<br>39   | 42<br>17<br>-   |
| MY JOB UTILIZES MY TALENTS:              | VERY LITTLE OR NOT AT ALL FAIRLY WELL QUITE WELL TO PERFECTLY NOT RESPONDING | MY JOB UTILIZES MY TRAINING:<br>VERY LITTLE OR NOT AT ALL<br>FAIRLY WELL<br>QUITE WELL TO PERFECTLY<br>NOT RESPONDING |

\* Survey sample too limited for significant results

<sup>\*\*</sup> Based on responses from incumbents in 35 other career ladders surveyed during 1975.

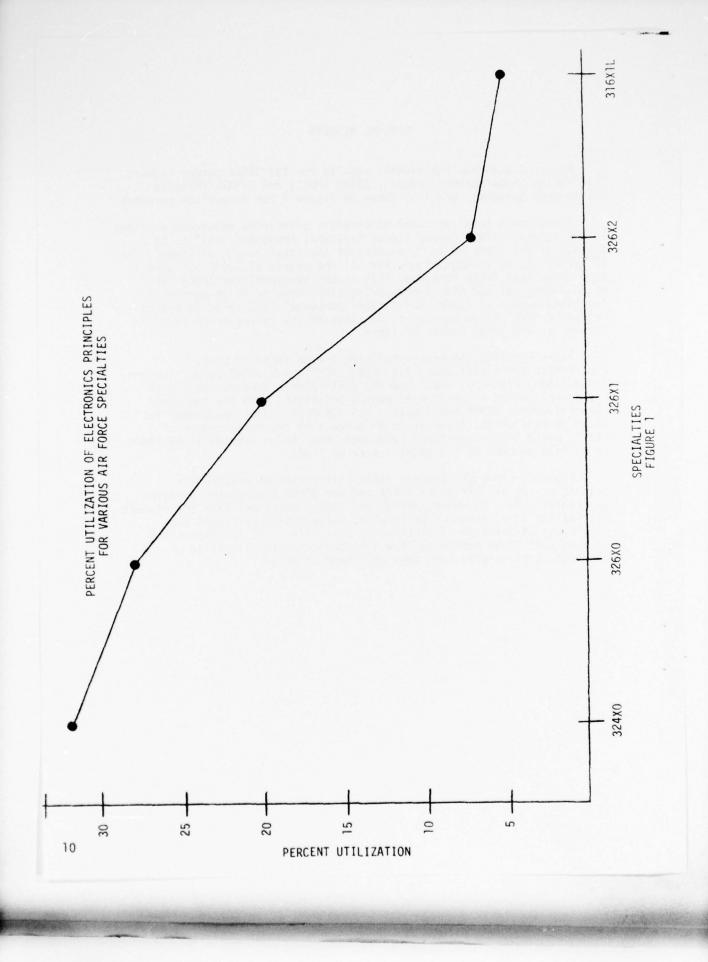
#### GENERAL RESULTS

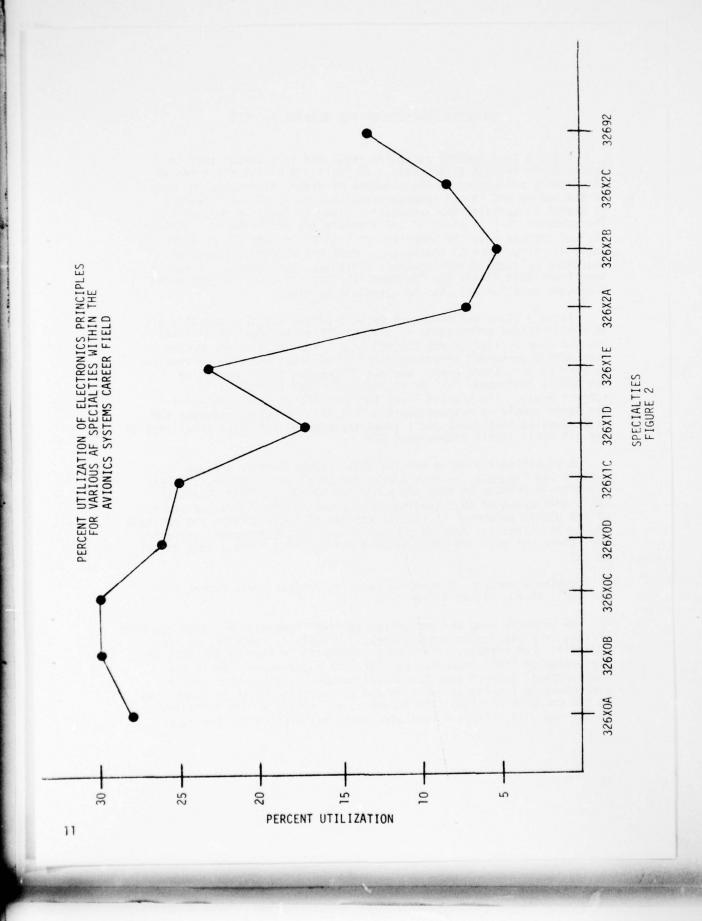
Figure 1 presents the overall results for the 326XX career ladders. Data for two other career ladders, 324XO (PMEL) and 316X1L (Missile Maintenance Systems), are also shown on Figure 1 for comparison purposes.

There are a total of 1,257 electronics principles questions or items in the survey. 326Xl career ladder personnel responded "Yes" to an average of 255 items or to 20 percent of the total number of items. The 20 percent is an average figure for all the shreds of 326Xl. Figure l also shows that 326X0 personnel (all shreds averaged) responded "Yes" to an average of 352 electronics principles items or to 28 percent of the total number of items, while 326X2 personnel (all shreds averaged) responded "Yes" to an average of 83 items in the survey or to seven percent of the total number of items.

These results, therefore, indicate a wide range of usage of electronics principles among the 326X0, 326X1, and 326X2 career ladders. In addition, Figure 1, shows how the 326XX career ladders compare in field utilization of basic electronics principles with the two other career ladders, 324X0 and 316X1L. AFS 324X0 personnel responded "Yes" to an average of 401 items or to 32 percent of the total number of items, while 316X1L personnel responded "Yes" to an average of 58 items or to five percent of the total number of items.

Figure 2 shows the percent field utilization of electronics principles for all shreds of 326XX and for 32692 (Integrated Avionics Superintendent). As shown, 326X0B and 326X0C personnel have the highest utilization of electronics principles, while 326X2C personnel show the lowest utilization of electronics principles. It is interesting to note that 32692 personnel show a higher percent utilization of electronics principles than does any shred of 326X2.





#### IN DEPTH ANALYSIS OF THE GENERAL RESULTS

Table 4 is a general reference table and is a useful tool in applying the results of the data. It lists the 62 subject areas of electronics principles in the sequence or order of presentation both in the survey and in the computer results (the Appendix). Table 4 is useful in applying the information given in Tables 6 through 14. The computer results given in the Appendix are not numbered 1 through 62, but instead have the computer notation Al through U2, as given in Table 4. Also, each of the subject areas has a certain number of questions or items which require a response. For example, it can be seen from Table 4 that the "Mathematics" subject area, subject number 1 (computer notation Al), has 14 questions or items.

Table 5 gives the number of subject areas, out of a possible 62, in which various percentages of persons responded "Yes" to at least one question or item in any subject area. For example, 50 percent or more 32651C personnel responded "Yes" to at least one item or question in each of 30 subject areas, whereas 30 percent to 49 percent of the 32651C responded "Yes" to at least one item in each of 14 subject areas. The 5-skill level for each AFS is used because of the large sample of respondents for that skill level and because the data revealed that the 5-skill level represented a typical cross-section for all skill levels within each AFS.

A significant finding for the 326X1 career ladder, derived from Table 5 and Figure 2, is that 326X1D personnel use significantly less electronics principles than the other two shreds of 326X1 (C and E). The significance of this finding is enhanced by the general perception of the 326X1D personnel of the utilization of their talents and training (Table 3). That is, over 40 percent of the 316X1D personnel indicated that their job utilized their talents and training "very little or not at all".

Tables 6 through 14 give the specific subject areas for each of the 32651 shreds listed in Table 5.

In order to find the percentage of "Yes" responses for each question or item in a particular subject area, use Table 4, Table 15, and the Appendix. For example, if one were interested in finding out what the percentage of "Yes" responses was for each question or item in the "Mathematics" subject area for 32651C personnel, the answer can be determined by looking at Table 15 and seeing that 32651C is identified in the computer printout (the Appendix) as SPC028, a column heading in the Appendix. Table 4 indicates that "Mathematics" is the first

subject area and has the computer printout (the Appendix) designation of Al. Thus, on page 4 of the Appendix, items 1 through 14 (designated as Al-Ol through Al-14) are read under the column designated as SPC028. It can be seen from page 4 that 8 percent of the sample of 32651C indicated that they have to "Find the Square Root of a Quantity" (item Al-O4).

Large patterns of "Yes" responses can be immediately determined by scanning through the Appendix. For example, page 4 of the Appendix shows a high pattern of "Yes" responses for all groups (SPC022 through SPC029) for items 24 through 29 or computer notation A3-01 through A3-06; whereas, for items 6 through 13 (A1-06 through A1-13), the pattern of "Yes" responses is low.

TABLE 4
Summary of EPI Subject Areas

| Sequence of   | Computer Printout |                                | Number of Possible<br>Responses or<br>Number of Items in |
|---------------|-------------------|--------------------------------|--|
| Subject Areas | Notation          | Subject Area Title             | each Subject Area  |
| 1             | Al                | Mathematics                    | 14   |
| 2             | A2                | Direct Current and Voltage     | 9  |
| 2 3           | A3                | Resistance                     | 28   |
| 4             | B1                | Multimeter Uses                | 9  |
|               | B2                | Alternating Current            | 6  |
| 5<br>6        | B3                | Inductors and Inductive        |  |
| 0             | 03                | Reactance                      | 25   |
| 7             | C1                | Capacitors and Capacitive      |  |
| 7             | C1                | Reactance                      | 36   |
| 0             | C2                | Transformers                   | 43   |
| 8<br>9        | C3                | Magnetism                      | 14   |
| 10            | D1                | RCL Circuits                   | 44   |
| 11            | D2                | Series and Parallel Resonance  |  |
| 11            | UZ                | (Time Constants)               | 10   |
| 12            | D3                | Filters                        | 22   |
| 12<br>13      | E1                | Coupling                       | 12   |
|               | E2                | Soldering                      | 22   |
| 14            | E3                | Relays                         | 19   |
| 15            | F1                | Microphones                    | 13   |
| 16<br>17      | F2                | Speakers                       | 15   |
|               | F3                | Oscilloscopes                  | 12   |
| 18            | G1                | Semiconductor Diodes           | 50   |
| 19            | G2                | Transistors                    | 24   |
| 20            | G3                | Transistor Amplifiers          | 49   |
| 21            | H1                | Solid-State Special Purpose    |  |
| 22            | 111               | Devices                        | 6  |
| 23            | H2                | Power Supplies                 | 29   |
| 24            | H3                | Oscillators                    | 27   |
| 25            | 11                | Multivibrators                 | 16   |
| 26            | 12                | Limiters and Clampers          | 10   |
| 27            | 13                | Electron Tubes                 | 44   |
| 28            | JI                | Electron Tube Amplifiers and   |  |
| 40            | 01                | Circuits                       | 7  |
| 29            | J2                | Special Purpose Electron Tubes | 16   |
| 30            | J3                | Heterodyning, Modulation, and  |  |
| 30            | 03                | Demodulation                   | 6  |
| 31            | K1                | AM Systems                     | 28   |
| 32            | K2                | FM Systems                     | 19   |
| 33            | K3                | Numbering Systems              | 10   |
| 34            | L1                | Logic Functions                | 13   |
| 35            | L2                | Boolean Equations              | 25   |
| 36            | L3                | Counters                       | 24   |
| 37            | MI                | Timing Circuits                | 12   |
| 38            | M2                | Use of Signal Generators       | 10   |
| 39            | M3                | Motors and Generators          | 29   |
| 40            | N1                | Meter Movements                | 10   |
|               |                   |                                | 10   |

## TABLE 4 (CONTINUED)

| 41 | N2  | Saturable Reactors and Magnetic<br>Amplifiers | 16               |
|----|-----|---|------------------|
| 42 | N3  | Waveshaping Circuits                          | 11               |
| 43 | 01  | Single Sideband Systems                       | 30               |
| 44 | 02  | Pulse Modulation Systems                      | 39               |
| 45 | 03  | Antennas                                      | 39               |
| 46 | P1  | Transmission Lines                            | 31               |
| 47 | P2  | Waveguides and Cavity Resonators              | 50               |
| 48 | P3  | Microwave Amplifiers and                      |                  |
|    |     | Oscillators                                   | 76               |
| 49 | Q1  | Registers                                     | 7                |
| 50 | Q2  | Storage Devices                               | 9                |
| 51 | Ò3  | Digital to Analog Converters                  | 14               |
| 52 | R1  | Phantastrons                                  |                  |
| 53 | R2  | Schmitt Triggers                              | 1<br>3<br>2<br>3 |
| 54 | R3  | Cable Fabrication                             | 2                |
| 55 | \$1 | Input/Output Devices                          | 3                |
| 56 | \$2 | Photo Sensitive Devices                       | 1                |
| 57 | \$3 | Synchronous Vibrations (Chopper               |                  |
|    |     | Circuits)                                     | 9                |
| 58 |     | Infrared                                      | 27               |
| 59 | T2  | Lasers  | 34               |
| 60 | T3  | Display Tubes                                 | 14               |
| 61 | Ul  | Programming                                   | 21               |
| 62 | U2  | DB and Power Ratios                           | 3                |
|    |     |   |                  |

TABLE 5

NUMBER OF SUBJECT AREAS, OUT OF A POSSIBLE 62, IN WHICH A SPECIFIED PERCENT OF PERSONS IN EACH AFSC (50% OR MORE, 30 TO 49%, OR O TO 29%) MARKED AT LEAST ONE "YES" RESPONSE.

| 0-29% | 30-49% | 50%+ |        |
|-------|--------|------|--------|
| 19    | 7      | 36   | 32650A |
| 17    | 6      | 39   | 32650B |
| 22    | 6      | 34   | 32650D |
| 18    | 14     | 30   | 32651C |
| 26    | 16     | 20   | 32651D |
| 20    | 9      | 33   | 32651E |
| 46    | 7      | 9    | 32652A |
| 48    | 6      | œ    | 32652B |
| 43    | 4      | 15   | 32652C |

THIRTY SUBJECT AREAS WITH HIGH JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 50 PERCENT OR MORE OF THE SURVEY SAMPLE RESPONDED "YES" TO
ONE OR MORE QUESTIONS WITHIN EACH AREA.
32651C

MATHEMATICS
DIRECT CURRENT AND VOLTAGE
RESISTANCE
MULTIMETER USES
ALTERNATING CURRENT
INDUCTORS AND INDUCTIVE REACTANCE
CAPACITORS AND CAPACITIVE REACTANCE
TRANSFORMERS
RCL CIRCUITS
FILTERS
COUPLING
SOLDERING
RELAYS
OSCILLOSCOPES
SEMICONDUCTOR DIODES

TRANSISTORS TRANSISTOR AMPLIFIERS SOLID-STATE SPECIAL PURPOSE DEVICES POWER SUPPLIES OSCILLATORS **ELECTRON TUBES** HETERODYNING, MODULATION, AND DEMODULATION AM SYSTEMS TIMING CIRCUITS USE OF SIGNAL GENERATORS METER MOVEMENTS WAVESHAPING CIRCUITS SINGLE SIDEBAND SYSTEMS CABLE FABRICATION DB AND POWER RATIOS

#### TABLE 7

FOURTEEN SUBJECT AREAS WITH MODERATE JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 30 TO 49 PERCENT OF THE SURVEY SAMPLE RESPONDED "YES" TO
ONE OR MORE QUESTIONS WITHIN EACH AREA.
32651C

MAGNETISM
SERIES AND PARALLEL RESONANCE
(TIME CONSTANTS)
MULTIVIBRATORS
LIMITERS AND CLAMPERS
ELECTRON TUBE AMPLIFIERS AND CIRCUITS
FM SYSTEMS
LOGIC FUNCTIONS

COUNTERS
MOTORS AND GENERATORS
PULSE MODULATION SYSTEMS
ANTENNAS
WAVEGUIDES AND CAVITY RESONATORS
SCHMITT TRIGGERS
INPUT-OUTPUT DEVICES

EIGHTEEN SUBJECT AREAS WITH LOW JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 29 PERCENT OR LESS OF THE SURVEY SAMPLE RESPONDED "YES" TO
ANY QUESTION WITHIN EACH AREA.
32651C

MICROPHONES
SPEAKERS
SPECIAL PURPOSE ELECTRON TUBES
NUMBERING SYSTEMS
BOOLEAN EQUATIONS
SATURABLE REACTORS AND MAGNETIC
AMPLIFIERS
TRANSMISSION LINES
MICROWAVE AMPLIFIERS AND OSCILLATORS.
REGISTERS

STORAGE DEVICES
DIGITAL TO ANALOG CONVERTERS
PHANTASTRONS
PHOTO SENSITIVE DEVICES
SYNCHRONOUS VIBRATIONS
(CHOPPER CIRCUITS)
INFRARED
LASERS
DISPLAY TUBES
PROGRAMMING

#### TABLE 9

TWENTY SUBJECT AREAS WITH HIGH JOB UTILIZATION OF BASIC ELECTRONICS. THAT IS, 50 PERCENT OR MORE OF THE SURVEY SAMPLE RESPONDED "YES" TO ONE OR MORE QUESTIONS WITHIN EACH AREA. 32651D

MATHEMATICS
DIRECT CURRENT AND VOLTAGE
RESISTANCE
MULTIMETER USES
ALTERNATING CURRENT
INDUCTORS AND INDUCTIVE REACTANCE
CAPACITORS AND CAPACITIVE REACTANCE
TRANSFORMERS
FILTERS
SOLDERING

RELAYS
OSCILLOSCOPES
SEMICONDUCTOR DIODES
TRANSISTORS
SOLID-STATE SPECIAL PURPOSE DEVICES
POWER SUPPLIES
TIMING CIRCUITS
METER MOVEMENTS
WAVEGUIDES AND CAVITY RESONATORS
CABLE FABRICATION

SIXTEEN SUBJECT AREAS WITH MODERATE JOB UTILIZATION OF BASIC ELECTRONICS. THAT IS, 30 TO 49 PERCENT OF THE SURVEY SAMPLE RESPONDED "YES" TO ONE OR MORE QUESTIONS WITHIN EACH AREA. 32651D

MAGNETISM
RCL CIRCUITS
TRANSISTOR AMPLIFIERS
OSCILLATORS
HETERODYNING, MODULATION, AND
DEMODULATION
COUNTERS
USE OF SIGNAL GENERATORS

MOTORS AND GENERATORS
WAVESHAPING CIRCUITS
ANTENNAS
MICROWAVE AMPLIFIERS AND OSCILLATORS
STORAGE DEVICES
DIGITAL TO ANALOG CONVERTERS
INPUT-OUTPUT DEVICES
PROGRAMMING
DB AND POWER RATIOS

#### TABLE 11

TWENTY-SIX SUBJECT AREAS WITH LOW JOB UTILIZATION OF BASIC ELECTRONICS. THAT IS, 29 PERCENT OR LESS OF THE SURVEY SAMPLE RESPONDED "YES" TO ANY QUESTION WITHIN EACH AREA. 32651D

SERIES AND PARALLEL RESONANCE
(TIME CONSTANTS)
COUPLING
MICROPHONES
SPEAKERS
MULTIVIBRATORS
LIMITERS AND CLAMPERS
ELECTRON TUBES
ELECTRON TUBE AMPLIFIERS AND CIRCUITS
SPECIAL PURPOSE ELECTRON TUBES
AM SYSTEMS
FM SYSTEMS
NUMBERING SYSTEMS
LOGIC FUNCTIONS

BOOLEAN EQUATIONS
SATURABLE REACTORS AND MAGNETIC
AMPLIFIERS
SINGLE SIDEBAND SYSTEMS
PULSE MODULATION SYSTEMS
TRANSMISSION LINES
REGISTERS
PHANTASTRONS
SCHMITT TRIGGERS
PHOTO SENSITIVE DEVICES
SYNCHRONOUS VIBRATIONS
(CHOPPER CIRCUITS)
INFRARED
LASERS
DISPLAY TUBES

THIRTY-THREE SUBJECT AREAS WITH HIGH JOB UTILIZATION OF BASIC ELECTRONICS.

THAT IS, 50 PERCENT OR MORE OF THE SURVEY SAMPLE RESPONDED "YES" TO

ONE OR MORE QUESTIONS WITHIN EACH AREA.

32651E

MATHEMATICS
DIRECT CURRENT AND VOLTAGE
RESISTANCE
MULTIMETER USES
ALTERNATING CURRENT
INDUCTORS AND INDUCTIVE REACTANCE
CAPACITORS AND CAPACITIVE REACTANCE
TRANSFORMERS
RCL CIRCUITS
FILTERS
COUPLING
SOLDERING
RELAYS
OSCILLOSCOPES
SEMICONDUCTOR DIODES
TRANSISTORS

TRANSISTOR AMPLIFIERS SOLID-STATE SPECIAL PURPOSE DEVICES POWER SUPPLIES **OSCILLATORS** HETERODYNING, MODULATION, AND DEMODULATION LOGIC FUNCTIONS COUNTERS TIMING CIRCUITS
USE OF SIGNAL GENERATORS METER MOVEMENTS WAVESHAPING CIRCUITS SINGLE SIDEBAND SYSTEMS PULSE MODULATION SYSTEMS MICROWAVE AMPLIFIERS AND OSCILLATORS CABLE FABRICATION **INFRARED** DB AND POWER RATIOS

#### TABLE 13

NINE SUBJECT AREAS WITH MODERATE JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 30 TO 49 PERCENT OF THE SURVEY SAMPLE RESPONDED "YES" TO
ONE OR MORE QUESTIONS WITHIN EACH AREA.
32651E

MULTIVIBRATORS
NUMBERING SYSTEMS
BOOLEAN EQUATIONS
ANTENNAS
TRANSMISSION LINES
REGISTERS
STORAGE DEVICES
PHANTASTRONS
INPUT-OUTPUT DEVICES

TWENTY SUBJECT AREAS WITH LOW JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 29 PERCENT OR LESS OF THE SURVEY SAMPLE RESPONDED "YES" TO
ANY QUESTION WITHIN EACH AREA.
32651E

MAGNETISM
SERIES AND PARALLEL RESONANCE
(TIME CONSTANTS)
MICROPHONES
SPEAKERS
LIMITERS AND CLAMPERS
ELECTRON TUBES
ELECTRON TUBE AMPLIFIERS AND CIRCUITS
SPECIAL PURPOSE ELECTRON TUBES
AM SYSTEMS
FM SYSTEMS

MOTORS AND GENERATORS
SATURABLE REACTORS AND MAGNETIC
AMPLIFIERS
WAVEGUIDES AND CAVITY RESONATORS
DIGITAL TO ANALOG CONVERTERS
SCHMITT TRIGGERS
PHOTO SENSITIVE DEVICES
SYNCHRONOUS VIBRATIONS
(CHOPPER CIRCUITS)
LASERS
DISPLAY TUBES
PROGRAMMING

8

# READING THE COMPUTER PRINTOUTS (GPSM2A, GPSM2B, AND JOBINV) WHICH ARE IN THE APPENDIX

GPSM2A (Appendix page 4 to page 46) is a summary which gives the percent of members of a group which responded "Yes" to the items in the survey booklet. At the top of each column of numbers on any page of GPSM2A are the following Group Identifiers and Groups:

```
SPC022 - All airmen with DAFSC 326Xl (All shreds) (416 members)
SPC023 - All airmen with DAFSC 3263l (All shreds) (63 members)
SPC024 - All airmen with DAFSC 3265l (All shreds) (247 members)
SPC025 - All airmen with DAFSC 3267l (All shreds) (106 members)
SPC026 - All airmen with DAFSC 326XlC (70 members)
SPC027 - All airmen with DAFSC 3263lC (2 members)
SPC028 - All airmen with DAFSC 3265lC (49 members)
SPC029 - All airmen with DAFSC 3267lC (19 members)
```

GPSM2B (Appendix page 49 to page 91) is a summary which gives the percent of members of a group which responded "Yes" to the items in the survey booklet. At the top of each column of numbers on any page of GPSM2B are the following Group Identifiers and Groups:

```
SPC030 - All airmen with DAFSC 326X1D (147 members)
SPC031 - All airmen with DAFSC 32631D (26 members)
SPC032 - All airmen with DAFSC 32651D (83 members)
SPC033 - All airmen with DAFSC 32671D (38 members)
SPC034 - All airmen with DAFSC 326X1E (87 members)
SPC035 - All airmen with DAFSC 32631E (13 members)
SPC036 - All airmen with DAFSC 32651E (51 members)
SPC037 - All airmen with DAFSC 32671E (23 members)
```

To conserve space, some of the items have been abbreviated in GPSM2A and GPSM2B in the Appendix. Each item has been listed in its entirety in the Job Inventory (JOBINV) beginning on page 92 of the Appendix. For example, Task Al-Ol, page 4, GPSM2A, is incomplete. In order to find the complete statement, turn to page 92 of the Appendix and read item Al-Ol.

APPENDIX

|  |          |                  | APPENDIX   | YOUTH BOOK - Day ON JA NEWOH JA |
|--|----------|------------------|--|---------------------------------|
| TASLE OF CONTENTS  |          |                  | 10C PAGE 1   | AIR FORCE SYSTEMS COMMAND       |
|  | REPORT   | REPORT 10        | REPORT TITLE   | PAGE                            |
|  | 30 E C C |                  |  | NUMBER                          |
|  | - ~      | TOC              | TABLE OF CONTENTS<br>PCT WHES ANSWRNG YES FOR 124X1 DAFSC GRPS             |                                 |
|  | МЭ       | 6PS#28<br>J0818V | PCT MBMS ANSWRING TES FOR BENT DAFSC GRPS JOB INVENTORY (DUTYZIASK TITLES) | 47 47 42                        |
|  |          |                  |  |                                 |
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| AF HUHAN RESOURCES LABORATORY<br>AIR FORCE SYSTEMS COMMAND |   |                           |           |             |          |           |         |       |  |  |  |  |  |  |  |  |
|--|---|---------------------------|-----------|-------------|----------|-----------|---------|-------|--|--|--|--|--|--|--|--|
| S LABO   |   |                           |           |             |          |           |         |       |  |  |  |  |  |  |  |  |
| SYSTE  |   |                           |           |             |          |           |         |       |  |  |  |  |  |  |  |  |
| FORCE  |   |                           | . S . 3 . | NCHBERS.    | ERS.     | SERS.     | ERS.    | ERS.  |  |  |  |  |  |  |  |  |
| AF H   |   |                           |           |             |          |           |         |       |  |  |  |  |  |  |  |  |
| ~  |   |                           |           | 16 63       |          |           |         |       |  |  |  |  |  |  |  |  |
| PAGE   |   |                           | TAINI     | ONINIAT MOO | TAINI    | 1 2 2 4 1 | TAINIA  | 14141 |  |  |  |  |  |  |  |  |
| GPSHZA PA  |   |                           | 00        | 60          | 000      | 000       | 000     | 00    |  |  |  |  |  |  |  |  |
| 6.65   |   |                           |           |             |          |           |         |       |  |  |  |  |  |  |  |  |
|  |   |                           |           |             |          |           |         |       |  |  |  |  |  |  |  |  |
|  |   |                           | -         |             |          |           |         |       |  |  |  |  |  |  |  |  |
|  |   |                           | SUBEDS    | SHREDS      | SHREDS   |           |         |       |  |  |  |  |  |  |  |  |
|  | DAFSC   |                           | 1141      | 146         | 174.     |           |         |       |  |  |  |  |  |  |  |  |
|  | , a   | 20                        | 1 × 9 2   | 32631       | 2671     | 01x97     | 26510   | 86716 |  |  |  |  |  |  |  |  |
| 2 4  | EP1 17E45   | SEGUES                    |           |             |          | E HH      |         | E SHA |  |  |  |  |  |  |  |  |
| F 5C 6   |   |                           |           |             |          |           |         | ALL   |  |  |  |  |  |  |  |  |
| 326XI DAFSC SEPS   | MEMBERS ANSHERING . YES. TO<br>N THE 326XI CAREER LADDER. | THE FOLLOWING GROUPS WENE | 2203      | 5PC023      | PC0.25   | 0000      | 0000    | PC029 |  |  |  |  |  |  |  |  |
|  | . 5 . 3 3 E R . 1   | 6 680                     |           |             |          |           |         |       |  |  |  |  |  |  |  |  |
| S F 0  | S . E R ]   | N                         | 111       | 1111        | 11.      | 1111      | 111     | 111   |  |  |  |  |  |  |  |  |
| POT HERS ANSWANG YES FOR                                   | 326x  | FOL                       |           | 10EN1117    | 10En1117 | LOEN      | DENTITY | 0     |  |  |  |  |  |  |  |  |
| NSMA   | E E   | H F                       |           | 90000       | 1000     | 2000      | 4002    | 000   |  |  |  |  |  |  |  |  |
| 5 2  | PERCENT MEN   | REPORTS ON                | 3         | 9 1         | 9 5      | 9         | 9 3     | 9     |  |  |  |  |  |  |  |  |

AF HUMAN RESOURCES LABORATORY

| DUTY GROUP SURRENT<br>PERCENT HENGEMS PERFORMING  |     |        |       |       |        |        |         |
|---|-----|--------|-------|-------|--------|--------|---------|
| CENT MEMBERS PERFORMING   |     |        |       |       |        |        |         |
|   |     |        |       |       |        |        |         |
| Duty  | SPC | SPC \$ | SPC 5 | SPC S | SPC S  | SPC SP | SPC SPC |
|   |     |        |       |       |        |        |         |
| PEDISTANCE  | 100 | 1001   | 100   | 1 96  | 1001   | 100 10 | 100 100 |
| MULTIMETER USES, ALTERNATING  | 66  | 1 001  | 001   | 56    | 11 65  | 1001   | 100 A 9 |
| CURRENT, INDUCTORS, AND INDUCTIVE CAPACITORS, CAPACITORS, CAPACITIVE REACTANCE, TRANSFORMERS, | 87  |        |       |       |        |        |         |
| AND MAGNETISH RCL CIRCUITS, SERIES AND PARALLE!   | 1.6 |        |       |       |        |        |         |
| RESONANCE (TIME CONSTANTS), AND FILTERS   |     | ;      |       | ,     | 100    | 000    | L/ 78   |
|   | 4.6 | 9.5    | 95    | 9.2   | 94     |        |         |
| LOSCOPE   | 9.5 | 9.5    |       |       |        | 6 001  | 200     |
| SEMICONDUCTOR DIDDES, TRANSISTORS, AND TRANSISTOR   | 8   | 83     | 08    | 82    | 89 16  |        |         |
| AMPLIFIERS<br>SOLID STATE SPECIAL PURPOSE DEVICES, POWER                                      | 3   | 63     | 96    | 3     |        | •      |         |
|   |     |        |       |       |        | 001    |         |
| THE TACK THE TOTAL LITTLE AND CHARACTER AND ELECTRON TORES                                    | 21  | 25     | 40    | 63    | 67     |        | 67 68   |
| PURPOSE ELECTRON TUBES, HETERODYNING, HONDIATION.   | 2   | ۲۶     |       |       |        | 001    |         |
|   | 2.5 | 3      |       |       | 1      |        |         |
|   | 2.0 |        | 53    | 65    | 24     | 100    | 4       |
| THING CIRCUITS, USE OF SIGNAL GENERATORS.   | 8.7 | 83     |       |       |        |        | 96 89   |
| MUTORN, MAD GENERATORS  |     |        |       |       |        |        |         |
| MAGNETIC AMPLIFIERS, AND MAVESHAPING CINCUITS   | 20  | 0      |       | 83    | 06     | 001    | 96 74   |
| SINGLE SIDEBAND SYSTEMS, PULSE MODULATION   | 67  | 6.5    | 99    | 69    | 87 100 |        | 92 74   |
| SEZULIZE OF E OF E OF E   |     |        |       |       |        |        |         |
| RESONATORS, AND MICROWAVE AMPLIETERS AND DECITIONS  | 29  | 6.7    | 29    | 9 9   | 39 100 |        | 39 32   |
|   | 2   | 6.3    |       |       |        |        |         |
| DIGITAL TO AMALOG CONVERTERS  | ;   |        |       |       | 001    |        | 95 05   |
| PIERTANTANTONS, SCHALLT TRIBGERS, AND   | 63  | 52     | * *   | 67 6  | 5 69   | 50 7   | 71 63   |
|   |     |        |       |       |        |        |         |
| DEVICES. AND STACHROUGH VIBRATIONS  | 55  | o-     | 53    | , ,2  | 0,     | 9      | 43 37   |
| INFRARED, LASERS, AND DISPLAY TUBES   | 35  |        |       |       | ,      | 0      |         |
| PROGRAMMING. OB AND POMER RATIOS  | 7.1 | 7.1    | 71    | 71.   | 87 100 |        | 3 4 4   |

KEXAMPLE OF A LOW AIR FORCE SYSTEMS COMMAND EXAMPLE OF A HIGH DIRECT CURRENT AND VOLTAGE MATHEMAT1CS RESISTANCE SPC 029 10000 7 53 = 19 5Pc 028 0 7 69 AF SPC 027 0 30 0 0 0 100 00 100 100 001 000 001 5Pc 026 0 73 = GPSHZA PAGE 5PC 025 20 16 5PC 024 6 8 47 2 69 023 4 7 32 13 20 63 09 d SPC 022 ~ 45 35 11 60 87 FOR RESISTONS ON ANY TASKS IN YOUR PRESENT JOB.

A3-08 DO TOU USE DR REFER TO RESISTONS. SUCH AS FOR FIXED RESISTONS.

A3-09 DO YOU JOENTIFY OR FOR TAPPED RESISTONS YOU ROW ITH AS CAMBON, FIXED WIRE, SLIDE TAP, RMEDSTAT OR 8 A1-08 DO YOU SOLVE QUADRATIC EQUATIONS.
9 A1-09 DO YOU USE THE NATURAL SYSTEM OF LOGARITHMS (THIS
15 THE LOGARITHM SYSTEM WHICH USES THE NUMBER 2.718 AS
10 A1-10 DO YOU WOR MITH VECTOR QUANTITIES, SUCH AS ADDING
08 SUBTRACTING TWO VECTORS.
11 A1-11 DO YOU WORK WITH TRIGONOMETRIC FUNCTIONS SUCH AS A1-01 DO TOU USE AN INSTRUMENT, SUCH AS HETER OR AN OSCILLOSCOPE, IN WHICH IT IS NECESSARY TO AMPLIFY OR A1-02 DO TOU USE A PUBLICATION, SUCH AS A TECHNICAL ORDER OR MAINTENANCE MANUAL, IN WHICH IT IS NECESSARY A1-03 DO TOU REARMANGE AND SOLVE FORMULES OR EQUATIONS, A1-05 DO TOU SIND THE SQUARE ROOT OF A 20ANTITY.

A1-05 DO TOU SOLVE FOR AN UNKNOWN QUANTITY.

A1-06 DO TOU CONVERT NUMBERS TO LOGARITHMS. A3-05 DO TOU CHECK OMMIC VALUE OF MESISTORS.
A3-06 DO TOU REMOVE OR REPLACE RESISTORS.
A3-07 DO TOU USE OR REFER TO TEMPERATURE COEFFICIENTS SINE, COSINE, OR TANGENT.

12 AI-12 DO TOU DEFERRINE AFEAS OF PLANE FIGURES, SUCH
AREAS OF CHRCLES OR THANGES.

13 AI-13 DO TOU SOLVE OP USE SIHULTANEOUS EQUATIONS. THE TERM VOLTAGE OR VOLT.
THE TERM ELECTROMOTIVE FONCE (EMF).
THE TERM OHM.
THE TERM ION. ITH RESISTORS IN YOUR PRESENT PET HBRS ANSWRNG TES FOR 326XI DAFSE GRPS THE TERM NEUTRON. COULOMB. THE TERM AMPERE. THE TERM DYNE. INSPECT RESISTONS. TOU CLEAN RESISTORS. TOU ADJUST RESISTORS. DY-15K THE TERM TASK GROUP SUMMANT PERCENT MEMBERS PERFORMING USE USE USE USE 350 456 USE CALCULATIONS. 100 400 100 101 201 200 00 42-02 12-08 13-03 12-03 45-04 42-05 12-06 12-07 45-04 32 322223 2 5 5 7 8 6 6 6

|   |            |            |      |            |              |            | E          |                   |
|---|------------|------------|------|------------|--------------|------------|------------|-------------------|
| TASK GHOUP SUNKANY<br>PERCENT MEMBERS PERCRING  |            |            |      |            |              |            |            |                   |
| x81-77  | SPC<br>022 | SPC<br>023 | SPC  | SPC<br>025 | SPC<br>026   | SPC<br>027 | SPC<br>028 | SPC<br>929        |
| Do Tou USE  | 7.2        | 29         | 7.3  | 76         | 11           | 5.0        | 73         | 6                 |
| THE DHMIC VALUE OF PESISTANCE.  A 34 A3-11 DO TOU USE RESISTOR COLOR CODES MMICH INDICATE     | 70         | 7          | 0.9  | 7.3        | 69           | 5.0        | •          | 99                |
| 35 43-12 00 TOU USE   | =          | 01         | 71   | 0.1        | 13           | ٥          | 12         | 10                |
| THE FAILURE MATE OF RESISTONS. 36 A3-13 DO YOU MAKE DECISIONS IN MHICH YOU MUST               | 13         | =          | 07   | 91         | 23           | 50         | 9          | 37                |
| AND AND THE OF YORE BATTERIES TO THE SCHEME   |            | au<br>au   | 80   |            | 8            | 80         |            | O- 00             |
| REPRESENT ANY OF THE FOLLOWING COMPONENTS: BATTERN 38 A3-15 DO YOU CA. CULATE TOTAL PRESENTER |            | 25         | 36   | 2          | 4            | 0          | 37         | S                 |
| RESISTIVE CIRCUITS. 39 A3-16 DG YOU CALCULATE TOTAL CURRENT FOR SEV                           | 30         | 22         | 29   | 36         | 3 6          | 0          | 1          | 8                 |
| Acsistive circuits.   |            | *          | 2    |            | ,            | -          | 2          |                   |
| SEMIES RESISTIVE CIPCUITS.  |            |            | ; ;  | ; ;        | :            |            | ; ;        |                   |
| or woll writer to   | 77         | -          | ;    |            | 6            | 0          | ŕ          |                   |
| 43-19 DO YOU CALCULATE TOTAL RESISTANCE FOR SE<br>PARALLEL MESISTIVE CIRCUITS.                | 33         | 2          | 32   | 39         | Ŧ            | 0          | 35         | 6.3               |
| ENT FOR S   | 58         | 7.5        | 27   | 34         | 37           | 0          | 56         | 63                |
| A 44 A3-21 DO TOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR                                      | 30         | 7.         | 30   | 37         | <del>-</del> | 0          | 35         | 6.3               |
| 004L B  | 7.         | 1.9        | 26   | 3.1        | 34           | 0          | 27         | 5.6               |
| SERIES PARALLEL RESISTIVE CIRCUITS. 4 46 A3-23 DO YOU CALCULATE POWER DISSIPATION FOR SERIES  | 20         | *          | 6.1  | 26         | 34           | 0          | 29         | 53                |
| PARALLEL MESISTIVE CIRCUITS. 47 A3-24 DO YOU CALCULATE TOTAL RESISTANCE FOR PARALLEL          | 32         | 12         | 32   | 39         | 43           | 0          | 37         | 63                |
| RESISTIVE CIRCUITS.   | 28         | 6.1        | 27   | *          | 39           | 0          | i          | 6.3               |
| HESISTIVE CINCUITS.   | 30         | 2 1        | 30   | *          | -            | 0          | 3,         | 58                |
| PARALLEL RESISTIVE CIACUITS. 50 A3-27 00 TOU CALCULATE INDIVIDUAL BRANCH CUPRENTS FOR         | 25         | -          | 56   | 3          | 37           | o          |            | 5.6               |
| 101104  | •          | -          | =    | 3,5        | 2            | c          | 2          | 3                 |
| AESISTIVE CIRCUITS.   |            |            | 2    | :          |              | ,          | :          |                   |
| 52 BI-OI DO YOU MEASURE RESISTANCE.   | 76         | * 6        | 6    | 06         | 66           | 100        | •          | 0.00              |
| 54 81-03 DO YOU MEASURE VOLTAGE.  | 69         | 6          | 9 6  | 8          | 0 5          | 100        | *          |                   |
| S SS SI-OF DO FOU MERAIN A VOLTMETER.   | ~ ^        | ~ ~        | ٠٠ - | 7          |              | 00         | ~ ~        | S MULTIMETER USES |
| 57 81-06 30 YOU MEASURE CURRENT.  |            | , •        |      | 102        | 9            | 20         | :          |                   |
| 81-07 30 700 USE A MU   |            | 8          | 9.5  | 8          | *            | 100        | •          | :                 |

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND GPSMZA PAGE PET MBHS ANSWHMG TES FOR 326X1 DAFSC GRPS

INDUCTORS AND
INDUCTIVE REACTANCE ALTERNATING CURRENT 5PC 029 6 4 2 • • 5PC 028 6 8 C 0 C 0 0 0 0 9 SPC 027 50000 50 0 00 50 00000 0 0 0 0 0 0 0 0 0 0 0 5PC 026 60 4000 9 7 7 9 4 0 0 0 0 0 0 23 0 5PC 025 40000 ~ 26 5PC 024 2 SPC 023 22007 0 2 0 ~ 0 0 0 0 0 0 S 10 18 18-52 DO TOU USE OR REFER THE TERM PEAK TO PEAK VOLTAGE.

82-62 DO TOU USE OR HEFER THE TERM AVERAGE VOLTAGE (0C).

82-04 DO TOU USE OR REFER THE TERM MAYE LENGTH.

82-05 DO TOU USE OR REFER THE TERM FREQUENCY.

82-06 DO TOU USE OR REFER THE TERM INSTANTANEOUS VALUE.

83-01 DO TOU USE OR REFER THE TERM INSTANTANEOUS VALUE.

83-01 DO TOU USE OR REFER THE TERM INSTANTANEOUS VALUE.

83-01 DO TOU WORK WITH INDUCTORS OR CIRCUITS CONTAINING. TO 33-12 DO TOU USE OR REFER TO THE GENERAL RULE THAT INDUCTANCE IS PROPORTIONAL TO THE SQUARE OF THE TO 93-13 DO YOU USE ON REFER TO THE GENERAL RULE THAT THE BOOLTANCE OF A COLL IS DIRECTLY PROPORTIONAL TO THE BO 93-15 DO TOU USE OF REFER TO THE GENERAL RULE THAT TO 93-15 DO TOU USE OF REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COLL IS INVERSELY PROPORTIONAL TO RIL 93-15 DO TOU USE OF REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COLL IS DIRECTLY PROPORTIONAL TO THE PEFER TO INDUCTANCE.

PEFER TO HERRIES.

VEFER TO INDUCTIVE REACTANCE.

KEFER TO COPPER LOSS IN INDUCTORS.

REFER TO HYSTERESIS LOSS IN DO YOU DIRECTLY USE A QUANTITY OF CHARGE CALLED 50 BI-09 DO 70U READ SCHEMATICS. 83-19 DO TOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN SERIES-PARALLEL CIPCUITS.
33-20 DO TOU USE FERR TO THE SERVEAL RULE THAT CURRENT LASS VOLTAGE IN AC INDUCTOR CIRCUITS.
33-21 DO TOU CALCULATE INDUCTOR PEACTANCE. 93-16 DO TOU CALCULATE INDUCTANCE FOR A PARTICULAR OR REFER TO EDDY CURRENT LOSS IN INDUCTOR USING FORMULAS.

50-17 DO TOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN SERIES.

50-18 DO TOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN PARALLEL. OR REPLACE INDUCTORS. YOU INSPECT INDUCTORS. INDUCTORS. CLEAN INDUCTORS. PERCENT MEMBERS PERFORMING ADJUST 2 2 2 2 2 REHOVE 700 USE 700 USE 53-11 00 YOU USE 100 43-10 00 YOU 100 1.50CTORS. A COULOMB. INDUCTORS. 200000 93-02 00 0 59 81-38 93-05 93-00 93-09 5 0 63 . 0 0 1 1 7 7 7 9 0 9 6 9.7

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND TRANSFORMERS 53 3, 0 0-0 \* 9 ! 37 8 9 9 = \* . SPC 028 • 9 6 7 9 9 9 7 8 5.5 53 5 ~ . 5 P C 000 200000 0000000 0 200 0 0 O 50 20 20 O 2000 O 5PC 026 1 6 4 4 4 63 29 = - 0 9 9 GPSHZA PAGE 5 p c 1000 9 2 7 ! 4 9 9 9 29 2 5PC 024 2 2 25 - 60 4 3 \$ 107 21 2 12 15 SPC 023 = 200 40 1 4 7 7 4 7 33 23 27 52 SPC 022 2 35 -25 5 1000 53 . 7 CZ-OR DO YOU MAKE A DISTINCTION BETWEEN MUTUAL INDUCTION AND MUTUAL INDUCTANCE (M).
CZ-O9 DO YOU USE THE SIMBOL FOR MUTUAL INDUCTANCE, M.
CZ-IO DO YOU REFER TO OR USE THE COEFFICIENT OF COUPLING DO YOU MORK MITH COMPRESSION (TRIMBEN) CAPACITORS. DO YOU MORK MITH ELECTROLYTIC CAPACITORS (FIXED). BY MEASURING OUTPUT VOLTAGES.
C2-22 DO TOU MEASURE RESISTANCE OF TRANSFORMER .. INDINGS Z-OS DO YOU TROUBLESHOOT TRANSFORMERS.
Z-OS DO YOU REHOVE OR REPLACE COMPLETE TRANSFORMERS.
Z-OZ DO YOU REHOVE OR REPLACE TRANSFORMER PARTS, SUCH MHEN MORKING MITH TRANSFORMENS.

CZ-11 DO YOU CALCULATE TURNS HAT10S FOR TRANSFORMERS

USING CURRENT OR VOLTAGE RAT10S.

CZ-12 DO YOU REFER TO REFLECTED IMPECANCE MMEN MORKING DO YOU WORK WITH POMER THANSFORMERS.

DO YOU WORK WITH AUDIO TRANSFORMERS.

DO YOU WORK WITH PADIO FREQUENCY TRANSFORMERS. BY MEASURING RESISTANCE.
CZ-21 DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS ď MEASURING PESISTANCE.
C 147 (2\*20 00 YOU CHECK TPANSFORMERS FOR SHORTED BINDINGS DETERMINE MHETHER A TRANSFORMER HAS A STEP-UP OR MORK WITH MICA CAPACITORS (FIXED).
MORK WITH CERAMIC CAPACITORS (FIXED).
MORK WITH DON'T REMEMBER WHICH TYPE OF MORK MITH TRANSFORMERS ON YOUR PRESENT 118 C1-27 DO YOU USE ON MEFER TO THE GENERAL RULE THAT CURMENT LEADS VOLTAGE IN AC CAPACITOR CIRCUITS.

119 C1-28 DO YOU USE ON MEFER TO THE GENERAL RULE THAT CAPACITY REACTANCE IS INVERSELY PROPORTIONAL TO 120 C1-29 DO YOU CALCULATE CAPACITIVE MEACTANCE.

121 C1-30 DO YOU WORK MITH ROTOR-STATOR CAPACITORS DO YOU WORK ALTH DON'T REMEMBER WHAT TYPE OF CHECK TRANSFORMERS FOR OPEN MINDINGS WORK WITH PAPER CAPACITORS (FIXED). C2-13 30 YOU CALCULATE IMPEDANCE INTERACTIONS C2-14 DO TOU WORK AITH AUTOTRANSFORMERS. 326X1 DAFSC SAPS TOU INSPECT TRANSFORMERS. YOU ADJUST TRANSFORMERS. DO YOU CLEAN TRANSFORMERS. Dr-15K TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING TRANSFORMERS. PET MBRS ANSWRNG YES FOR HANSFORMERS. TRANSFORMER. 100 1-31 00 YOU 00 100 C2-19 00 100 00 (2-17 C1-35 62-03 40-20 65-05 C2-06 C2-07 51-23 61-20 CI-31 01-33 -7 25 52 52 0 - 0 135 \* 138 UU

ALP FORCE SYSTEMS COMMAND MAGNETISM 6.8 • 9 1 9 5 . 5PC 027 GPSHZA PAGE . 2 1 4 9 4 9 = ~ s ÷ 5 P C ~ = -SCHEMATIC STHBOLS FOR TRANSFORMERS.
C 153 C2-26 DO YOU REFER TO THE MULTIPLE TAP SCHEMATIC SYMBOLS ISO C2-23 DO TOU MEASURE OUTPUT VOLTAGE OF TRANSFORMERS TO DETERNINE WHETHER A TRANSFORMER HAS A STEPLUP OR STEPLISI C2-24 DO TOU REFER TO THE BASIC TRANSFORMER SCHEMATIC SYMBOLS FOR TRANSFORMERS. C 157 C2-33 DO YOU REFER TO THE COMBINATIONS OF THE ABOVE SCHEMATIC SYMBOLIS FOR TRANSFORMERS.
C 158 C2-31 DO YOU DETERMINE PHASES OF TRANSFORMERS USING SCHOOL AND PRIMARY VOLTAGES OF TRANSFORMERS USING C 159 C2-32 DO YOU DETERMINE OR REFER TO THE TYPE OF CORE IN TRANSFORMERS TOU MORK AITH.

C. 160 C2-33 DO TOU REFER TO OR USE THE GENERAL RULE THAT THE
TURKS RATIO OF A TRANSFORMER IS EQUAL TO THE VOLTAGE
C. 161 C2-34 DO TOU USE OR REFER TO STEP-UP OR STEP-DOWN
RATIOS FOR TRANSFORMERS. 154 C2-27 DO TOU REFER TO THE CENTER TAP SCHEMATIC STMBOLS C 162 C2-35 DO YOU CALCULATE VOLTAGE RATIOS FOR TRANSFORMERS 163 CZ-36 DU TOU CALCULATE CURRENT RATIOS FOR THANSFORMERS 152 C2-25 DO TOU REFER TO THE HULTIPLE SECONDART-WINDINGS 156 C2-29 DO YOU REFER TO THE IRON CORE SCHEMATIC SYMBOLS PHASE TRANSFORMERS.

165 CZ-35 DO TOU LISPECT 3 PHASE TRANSFORMERS.

166 CZ-37 DO TOU CLEAN OF LUBFICATE 3 PHASE TRANSFORMERS.

167 CZ-42 DO TOU ADOUGT 3 PHASE TRANSFORMERS.

169 CZ-41 DO TOU TROUBLESHOOT 3 PHASE TRANSFORMERS.

169 CZ-42 DO TOU MEMOVE OR REPLACE COMPLETE 3 PHASE 164 C2-37 DOES YOUR JOB INVOLVE ANY TASKS DEALING WITH 3 C 155 C2-28 DO YOU REFER TO THE AIR CORE SCHEMATIC STHBOLS HATERIALS.
C 174 C3-34 DO TOU USE OR REFER TO RELUCTANCE OF MAGNETIC PARTS, SUCH AS A MINDING.
3-01 DO YOU USE OR REFER TO PERMANENT MAGNETS.
3-02 DO YOU USE OR REFER TO TEMPORARY MAGNETS.
3-03 DO YOU USE OR REFER TO REFERITIVITY OF MAGNETI C 170 CZ-43 DO YOU REHOVE OR REPLACE 3 PHASE TRANSFORMER MBAS ANSWANG YES FOR 326X1 DAFSC GRPS UY-TSK PERCENT HEMBERS PERFORMING USING TURNS RATIOS. USING TURNS RATIOS. FOR TRANSFORMERS. FOR TRANSFORMERS. C 171 C3-01 00 YOU USE C 172 C3-02 00 YOU USE C 173 C3-03 00 YOU USE FOR TRANSFORM FRANSFORMER. MATERIALS.

| PASSENG TES FOR SZENI DAYSO GATO   |            | 2          |            | 2          | 2     |                    |              |              |
|--|------------|------------|------------|------------|-------|--------------------|--------------|--------------|
| PERCENT MEMBERS RERFORMING   |            |            |            |            |       |                    |              |              |
| Dy-15K   | SPC<br>022 | 5PC<br>023 | SPC<br>024 | SPC<br>025 | SPC 5 | SPC SPC<br>027 028 | SPC<br>8 029 |              |
| DO YOU USE ON REFER TO PERMEABILITY OF MAGNETIC  | ۰          | <b>a</b>   | ٠          | ٠,         | ٥     | 0                  | =            |              |
| OH REFER TO RESIDUAL   | •          | s          | •          | 60         | 13    | 0                  | 12 10        |              |
| USE ON REFER TO  | 15         | 1.7        | 7          | 5          | 1.1   |                    |              |              |
| C3-08 DO YOU USE OR REFER TO MEBER'S THEORY OF   | 7          | 7          | ~          | 7          | -     | 0                  | 2 0          |              |
| MAGNETISM.<br>2-09 DO YOU USE OR REFER TO THE DOMEIN THEORY OF<br>MAGNETISM.   | 2          | 'n         | ~          | 7          | -     | ٥                  | 2 0          |              |
| USE OR REFER TO  |            | - 4        |            | <u>.</u> . | 1,    | 00                 | • o          |              |
| 1.3  | 31         | 27         | 32         | 31         | -     | 0                  | 7            |              |
| MAGNETIC POLES, LIKE POLES HEPEL AND UNLIKE PULES  DIRECTION OF MAGNETIC FIFTH AND THUMB ROLE TO FIND THE  DIRECTION OF MAGNETIC FIFTHS AND STRAIGHT MAKES | 2          | -          | :          | •          | *     | 0                  | 11 91        |              |
| 10 5140  | •          | 1.1        | 1          | •          | ۰     | 0                  | 11 8         |              |
| DI-GI DO YOU WORK WITH RC. LR. OF RCL CIRCUITS ON YOUR   | =          | 37         | 45         | 4.7        | 5.4   | 0                  | 6            |              |
| PRESENT JUBS.  DI-OZ DO TOU USE OR REFER TO VECTORS WHEN WORKING WITH  | <b>30</b>  | 01         | •          | =          | Ξ     | 0                  | 8 21         | RCL CIRCUITS |
| ACE CINCOLISS<br>PAGE OF YOU USE OR REFER TO PYTHAGOREAN TAEOREM WHEN<br>MADERIAL MATERIAL OF CINCOLITY.   | •          | s          | •          | •          | ۰     | 0                  | 9 - 9        |              |
| DI-DA DO TOU USE OF REFER TO SINE WHEN WORKING WITH ROLL FROM THE FER TO SINE WHEN WORKING WITH  | 20         | =          | •          | 10         | 1     | o                  | •            |              |
| DI-05 DO TOU USE OR REFER TO COSINE NHEN NORKING WITH RCL  | 1          | =          | s          | 0 1        | •     | 0                  | •            |              |
| DITOR DO TOU USE OR REFER TO TANGENT MMEN MORKING MITH MC. CIRCUITS.   | 1          | <b>60</b>  | •          | =          | ,     | o                  | •            |              |
| DI-DY DO YOU USE OF PLEER TO MATTS WHEN BORKING WITH PCL CIRCUITS.   | 56         | -          | 97         | ī.         | 4.7   |                    | 47 53        |              |
| SE OR HEFER TO THUE PONER IPT  | <u>-</u>   | 2          | ?          | <u>•</u>   | 53    |                    |              |              |
| HAKINGH PO   | •          | •          | •<br>~     | 9          | 3,2   | <b>1</b>           |              |              |
|  | 0.2        | 6          | 6 7        | 52         | 33    | <b>5</b>           | 37 42        |              |
| 1-11 DO YOU USE OF REFER TO APPARENT PORES (PA) MAEN   | 13         | Ξ          | 13         | -          | 5.6   | 0                  | 26 52        |              |
| DI-12 DA YOU USE OR REFER TO POSER FACTOR (PF) MEN   | •          | •          | •          | <b>a</b> 0 | •     | 0                  | •            |              |
| 100 056 3  | 82         | 21         | 8.2        | 31         | *     | G                  | 45 47        |              |
| FOREING WITH RCL CIRCUITS.   | ÷          | 58         | *          | 36         | 0     | 0                  | 21 41        |              |
| 199 DI-15 DO VOU USE OR REFER TO SELECTIVITY WHEN WORKING  | 30         | 2.1        | 30         | 32         | .,    |                    | 40 47        |              |

PET HORS ANSWAYS YES FOR 320X1 DAFST GRPS

GPSHZA PAGE

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

5 P C 42 58 0 0 0 2 0 0 2 2 = • 32 5 P C 47 22 40 = 5PC 027 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 34 27 50 025 35 0 9 36 27 2 024 7 28 ~ 0 22 22 • 27 0 22 0 35 23 52 \* 30 222 205 01-21 DO YOU DETERMINE VALUES OF TRIGONOMETRIC FUNCTIONS
USING FORMULAS: SIME OF AN ANGLE = OPPOSITE SIDE
206 U1-22 DO YOU DRAW VOLTAGE. CURRENT, OR IMPEDANCE
207 01-23 DO YOU CALCULATE TOTAL IMPEDANCE FOR CAPACITIVE SUL DI-20 DO YOU USE ON PEFER TO TAUX CINCUITS WHEN MORKING ATO 31-26 DO YOU CALCULATE IMPEDANCE ANGLES FOR SERIES ACL 208 01-24 DO YOU CALCULATE PHASE ANGLES BETHER: IMPEDANCE AND HESISTANCE IN CAPACITIVE CINCUITS.
209 01-25 DO YOU CALCULATE TOTAL IMPEDANCE FOR SEMIES HEL CINCUITS.
211 DI-27 DO TOU CALCULATE APPARENT PORE" (PA) FOR SERIES 200 01-16 DO YOU USE ON REFER TO RESONANT FREQUENCY MHEN MORKING MITH RCL CIRCUITS.

201 01-17 DO YOU USE OR REFER TO HALF PONER FOINTS MHEN TO BE TO WHEN THE RCL CIRCUITS.

202 01-18 DO YOU USE OR REFER TO BRANDPASS REGION MHEN MORKING MITH RCL CIPCUITS. D 214 D1-30 DO YOU CALCULATE TOTAL CURRENT FOR PARALLEL ACL 212 DI-28 DO YOU CALCULATE TRUE POWER (PT) FOR SERIES PCL 213 01-29 DO YOU CALCULATE POWER FACTORS (PF) FOR SERIES 215 01-31 00 YOU CALCULATE IMPEDANCE ANGLES FOR PARALLEL RCL CIRCUITS.
D 216 D1-32 DO TOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL
CIRCUITS USING THE ASSUMED VOLTAGE "ETHOD.
D 217 D1-33 DO TOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL 220 01-36 DO YOU CHECK INDUCTORS USING DHMMETERS.
221 01-33 DO YOU CHECK INDUCTORS USING SUBSTITUTION.
222 01-33 DO YOU USE OR REFER TO THE GENERAL RULE THAT
THETANG, PFHI, AND PARPT FOR RESONANT CIRCUITS.
223 01-39 DO YOU CALCULATE RESONANT FREQUENCIES FOR RCL DI-40 DO YOU USE OR REFER TO THE GENERAL RULE THAT CIRCUITS USING DAMYS LAM.

ALS DI-34 DO YOU CHECK CAPACITORS USING DAMHETERS.

219 DI-35 DO TOU CHECK CAPACITORS USING SUBSTITUTION. INPEDANCE IS MINIMUM AND CURRENT HAXINUM AT THE PERCENT MENGERS PERFORMING \*ITH RCL CIRCUITS. #174 RCL CIRCUITS. RCL CIRCUITS. MCL CIMCUITS. CIACUITS. CIRCUITS. CIRCUITS. CIRCUITS. 224 0 0 U

| 14.5K GADUP SUMMAN   1.0   1.15K GADUP SUMMAN   1.0   1.1   1.1   1.1   1.1   1.2    | PET MBHS ANSWANG YES FOR 326X1 DAFSC GAPS  |            | 545 | GPSHZA PAGE | 39 | 2 |    | FORCE | AIR FORCE SYSTEMS COMMAND |   |
|--|--|------------|-----|-------------|----|---|----|-------|---------------------------|---|
| FRECT SPC  |  |            |     |             |    |   |    |       |                           |   |
| THAT  AT  AT  AT  AT  AT  AT  AT  AT  AT   | PERCENT HEMBERS PRATICALING  |            |     |             |    |   |    |       |                           |   |
| THAT  AT  AT  AT  AT  AT  AT  AT  THAT  AT   |  |            |     |             |    |   |    | SPC   |                           |   |
| THAT  AT  AT  AT  THAT  THAT  THAT  22 24 19 27 26 0 20 42  THAT  THAT  THAT  THAT  TO 10 13 19 0 16 26  THERE  THERE  THERE  THAT   | DY+15K   |            |     |             |    |   |    | 920   |                           |   |
| AT A   | THE TRANSPORT OF STREET  | 10         | -   |             |    |   | 12 | 37    |                           |   |
| PEAK THAT THAT THAT THAT THAT THAT THAT TH   | NOW IN THE BOARD AND INDEPENDENT AND THE BEALTHON  |            |     |             |    |   |    |       |                           |   |
| FEAK THAT THAT TO 10 13 19 0 16 26  SE. 37 S | 225 DITTE DO YOU USE ON REFER TO THE GENERAL RULE THAT   | 22         | 54  |             |    |   | 50 | 4.5   |                           |   |
| 228 0 1 4 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | HALF POWER POINTS ARE AT 70.7 PERCENT OF THE PEAK  |            |     |             |    |   |    |       |                           |   |
| ######################################   | 227 DI-43 DO YOU USE OF REFER TO THE GENERAL RULE  | =          |     |             |    |   | 9  | 20    |                           | 1 |
| 228 51-44 DO TOU DETERRINE HOW CHANGE IN FREUERIC.  229 52-57 ACC CAPACITANCE, OF HOUTANCE HILL AFFECT  229 52-75 TO TOUR PRESETT JOB. DO TOU WORK WITH. USE. OF REFER TO THE CONSTRUTS.  230 52-32 DO TOU WORK MITH. USE. OF REFER TO THE CONSTRUTS.  231 52-32 DO TOU WORK MITH. USE. OF REFER TO THE CONSTRUTS.  232 52-32 DO TOU WORK MITH. USE. OF REFER TO THE GENERAL FILE THE TOUR THE GENERAL PURE THAT THE CONSTRUTS.  233 52-32 DO TOU WORK MITH. USE. OF REFER TO THE GENERAL FULL THAT THE TOUR THE GENERAL FULL THAT THE CONSTRUTS.  234 52-35 DO TOU WORK MITH. USE. OF REFER TO THE GENERAL FULL THAT THE CONSTRUTS.  235 52-35 DO TOU USE COUNTED THE GENERAL FULL FULL THAT THE CONSTRUTS.  236 52-35 DO TOU USE COUNTED THE GENERAL FULL FOR THAT THE CONSTRUTS.  237 52-35 DO TOU USE COUNTED THE GENERAL FULL FOR THAT THE CONSTRUTS.  238 52-35 DO TOU USE COUNTED THE GENERAL FULL FOR THAT THAT THE GENERAL FULL FULL FOR CHROLITS.  239 52-37 DO TOU USE COUNTED THE GENERAL FULL FULL FOR THAT THAT THE CHROLITS.  230 52-37 DO TOU USE COUNTED THE GENERAL FULL FULL FOR THAT THE CHROLITS.  231 52-37 DO TOU USE COUNTED THE GENERAL FULL FULL FOR THAT THE CHROLITS.  231 52-37 DO TOU USE COUNTED THE CHROLITS.  232 52 53 TO TOU WORK WITH CIRCUITS.  233 52-37 DO TOU USE COUNTED THE CIRCUITS.  234 52-35 DO TOU USE COUNTED THE CIRCUITS.  239 52-37 DO TOU USE COUNTED THE CIRCUITS.  240 52-35 DO TOU USE COUNTED THE CIRCUITS.  241 52-35 DO TOU TROUBLE FULL FOR CIRCUITS.  242 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  243 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  244 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  245 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  247 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  248 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  249 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  240 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  241 52-35 DO TOU TROUBLE FORD THE FULL FOR CIRCUITS.  242 52-35 DO TOU TROUBLE FORD THE FULL FORD THE FULL FOR CIRCUITS.  242 52-35 DO TOU TROUBLE FORD THE  |  |            |     |             |    | • |    |       |                           |   |
| RESISTATION   REPARTITINGE, OR INDUCTANCE WILL AFFECT   239 02-30   170 020 020 020 020 020 020 020 020 020 0  | 228 DILLE DO TOU DETERMINE HOW CHANGES IN FREGUENCY.   | 1          | 00  | ,           | •  | 0 | •  | -     |                           |   |
| 230 02-03 00 00 00 00 00 00 00 00 00 00 00 00 0  | PESISTANCE, CAPACITANCE, OR INDUCTANCE MILL AFFECT   |            |     |             |    |   | -  |       |                           | 1 |
| NEFER TO SERIES OF PARALLE RESONANCE CIRCLIS ONS   NEFER TO SETIES OF PARALLE RESONANCE CIRCLIS ONS   231 02-03 00 1900 MORE MITH, USE, OR REFER TO TAVILLAGE   9 8 7 11 11 0 6 21   | 0 229 02-31 14 YOUR PRESENT JOB. DO YOU "OFK WITH. USE. OR   | 52         | 2.1 | 25 2        |    |   | 39 |       |                           |   |
| 230 D2-22 D0 700 M9K M1TH, USE, OR REFER TO TRANSIENT 9 10 7 11 10 0 6 21 22 D2-23 D0 700 M9K M1TH, USE, OR REFER TO TRANSIENT 9 10 7 11 10 0 6 21 22 D2-23 D0 700 M9K M1TH, USE, OR REFER TO TRANSIENT 9 10 7 11 10 0 6 21 22 D2-23 D0 700 M9K M1TH, USE, OR REFER TO THE GENERAL RULE TWATE 13 14 12 16 17 0 12 32 CAPTOR USE OR REFER TO THE GENERAL RULE TWATE 2 3 2 2 3 0 4 0 0 12 CAPTOR USE OR TOWNYRSAL TIME CONSTANT 2 3 2 2 3 0 4 0 0 0 11 CAPTOR USE CONTINUES TO DETERMINE 2 5 1 4 1 0 0 5 11 CAPTOR USE EQUATIONS OR FORMULAS TO DETERMINE 2 5 1 4 1 0 0 0 11 CAPTOR USE EQUATIONS OR FORMULAS TO DETERMINE 3 3 2 7 4 0 2 11 CAPTOR USE EQUATIONS OR FORMULAS TO DETERMINE 3 3 2 7 4 0 2 11 CAPTOR USE EQUATIONS OR FORMULAS TO DETERMINE 3 3 2 7 4 0 2 11 CAPTOR USE EQUATIONS OR FORMULAS TO DETERMINE 3 3 2 7 4 0 2 11 CAPTOR USE EQUATIONS OR FORMULAS TO DETERMINE 3 3 2 7 4 0 2 11 CAPTOR USE EQUATIONS OR FORMULAS TO DETERMINE 3 3 2 7 4 0 2 11 CAPTOR USE EQUIPED FOR CIRCUITS OF CIRCUITS OF COUNTY OF CIRCUITS OF  | REFER TO SERIES OR PARALLEL RESONANCE CIRCUITS OR  |            |     |             |    |   |    | :     |                           |   |
| 231 D2-03 D0 TOU WORK MITH, USE, OR REFER TO AVAILABLE  232 D2-03 D0 TOU WORK MITH, USE, OR REFER TO TRANSIENT  9 10 7 11 10 0 6 21  1.TERVALS.  232 D2-04 D0 TOU WORK MITH, USE, OR REFER TO TRANSIENT  232 D2-05 D0 TOU USE D0 REFER TO THE GENERAL RULE THAT A  234 D2-05 D0 TOU USE D0 REFER TO UNIVERSAL TIME CONSTANT  235 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  236 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  237 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  237 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  237 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  238 D2-05 D0 TOU USE EQUATIONS OR FORMULAS TO DETERNINE  239 D2-05 D0 TOU USE EQUATIONS OR FILTERS ON  230 D2-05 D0 TOU USE EQUATIONS OR FILTERS OF FILTERS ON  230 D2-05 D0 TOU USE EQUATIONS OR FILTER CIRCUITS.  240 D3-05 D0 TOU USE EQUATIONS OF FILTER CIRCUITS.  241 D3-05 D0 TOU USE EQUATIONS OF FILTER CIRCUITS.  252 D2-05 D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  240 D3-05 D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  240 D3-05 D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  252 D3-05 D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  252 D3-05 D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  252 D3-05 D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  252 D3-05 D0 TOU USE D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  254 D3-05 D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  255 D3-05 D0 TOU USE D0 TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER CIRCUITS.   | 02-02 DO TOU WORK MITH, USE, OR REFER TO   | <b>3</b> 0 | 6   | 17          |    |   | 20 |       | SERIES AND                |   |
| VOLTAGE.  23 02-09 DO VOLTAGE.  23 02-05 DO TOU USE OF REFER TO THE GENERAL RULE THAT A 13 14 12 16 17 0 12 32 12 02 05 DO TOU USE OF REFER TO THE GENERAL RULE THAT A 13 14 12 16 17 0 12 32 02 05 DO TOU USE UN REFER TO UNIVERSAL TIME CONSTANT 2 3 2 2 3 0 4 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | 231 02-03 DO TOU MORK WITH, USE, OR REFER TO   | •          | •   | •           | _  | 0 | æ  |       | FAKALLEL KESONANCE        |   |
| 232 D2-04 DO 70U WORK MITH, USE, OR REFER TO TRANSIENT  13 19-05 D0 70U USE OR GEFER TO THE GENERAL RULE THAT A  13 19-10 D1   |  |            |     |             |    |   |    |       | (ITHE CONSTANTS)          |   |
| INTERVALS.    INTERVALS.   |  | •          | 2   |             |    |   | •  | 17    |                           |   |
| 12   13   14   15   16   17   18   18   18   18   18   18   18   | INTERVALS.   |            |     |             |    |   | :  |       |                           |   |
| CAPACITOR IS FULLY CHARGED TO PECHANGED AFTER 11 TO 0 5 CHARGED TO VEHICLE CONSTANT  CHARTS.  D2-06 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  C14CUIS CUPRENT OR COMPONENT VOLTAGES AFTER A  D2-06 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  D2-09 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  D2-09 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  C0-00 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  D2-09 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  C0-00 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  C0-00 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  C0-00 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  C0-00 DG 70U USE EQUATIONS OR FORMULAS TO DETERMINE  C1-00 DG 70U USE EQUATIONS OR FOR THE FORMULAS TO DETERMINE  D3-01 DG 70U USE EQUATIONS  D3-01 DG 70U MGRK MITH CIRCUITS  D4-01 DG 70U MGRK MITH CIRCUITS  | 233 52-05 DO TOU USE OR REFER TO THE GENERAL RULE THAT A   |            | -   |             |    |   | `  | 3.6   |                           |   |
| CAMPINE CONTRIBUTE   CONTRIBUTIONS ON FORMULAS TO DETERMINE   CONTRIBUTION VALUE   CONTRIBUTION   CONTRIBUTION VALUE   CONTRIBUTION VA   | CAPACITOR IS FULLY CHARGED TOR DISC  |            | -   | ,           |    |   | 3  | 0     |                           |   |
| CINCUITS CUPRENT OR COMPONENT VOLTAGES AFTER A  52-000 DO YOU USE EQUATIONS OR FORMULAS TO DETERNINE  52-000 DO YOU USE EQUATIONS OR FORMULAS TO DETERNINE  52-000 DO YOU USE EQUATIONS OR FORMULAS TO DETERNINE  52-00 DO YOU USE EQUATIONS OR FORMULAS TO DETERNINE  52-00 DO YOU USE EQUATIONS OR FORMULAS TO DETERNINE  52-00 DO YOU USE OR REFER TO THE GENERAL AND  52-01 DO YOU USE OR REFER TO THE GENERAL THAT  50-01 DO YOU USE OR REFER TO THE GENERAL THAT  50-01 DO YOU USE OR REFER TO THE GENERAL THAT  50-01 DO YOU USE OR REFER TO THE GENERAL THAT  50-01 DO YOU USE OR REFER TO THE GENERAL THAT  50-01 DO YOU USE OR REFER TO THE GENERAL THAT  50-01 DO YOU USE OR REFER TO THE GENERAL THAT  50-01 DO YOU USE OR REFER TO THE GENERAL THAT  50-01 DO YOU USE OR REFER THERE CIRCUITS.  50 WILL STANDARD TO COMPONENT PARTS OF FILTER  51-02 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  52-03 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  53-03 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  53-03 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  53-03 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  53-04 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  53-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  53-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  53-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  54-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  55-05 DO YOU TROUBLESHOOT TO COMPONENT PAR | 534  |            | ,   |             |    |   |    |       |                           |   |
| CHCUITS CUPRENT OR COMPONENT VOLTAGES AFTER A  52-08 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE  THE TIME MEGULEO FOR CIRCUIT CUPRENT OR COMPONENT  52-08 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE  52-08 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE  52-09 DO YOU USE EQUATIONS OR FIRE TO THE GENERAL RULE THAT  COMPONENT VALUE OR REFER TO THE GENERAL RULE THAT  COMPONENT IN LR CIRCUITS REACHES ITS MINIMUM VALUE [OR 60 56 62 58 70 50 76 58  O3-01 DO YOU MORK WITH CIRCUITS.  D3-02 DO YOU MORK WITH CIRCUITS.  D3-03 DO YOU LEAN FILTER CIRCUITS.  D3-03 DO YOU ALIGN OR ADJUST FILTER CIRCUITS.  D3-03 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-04 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D4-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D6-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D6-05 DO YOU TROUBLESHOOT TO COMPONENT PARTS O | 235 02-07 ON YOU USE FRUNTIONS OR FORMUL   | 2          | 2   | -           | 7  | 0 | 0  | 'n    |                           |   |
| THE THE MEGUINE OR FORMULAS TO DETERMINE  THE THE MEGUINE FOURT CURRENT OR COMPONENT  THE THE MEGUINES FOURTIONS OR FORMULAS TO DETERMINE  D2-09 DO TOU USE EQUATIONS OR FORMULAS TO DETERMINE  D2-09 DO TOU USE EQUATIONS OR FORMULAS TO DETERMINE  D2-09 DO TOU USE OR REFER TO THE GENERAL RULE THAT  CURRENT IN LR CIRCUITS REACHES ITS MINIMUM VALUE 108  D3-01 DO TOU WORK WITH CIRCUITS USED AS FILTERS ON  D3-01 DO TOU WORK WITH CIRCUITS.  D3-01 DO TOU USPECT FILTER CIRCUITS.  D3-01 DO TOU USPECT FILTER CIRCUITS.  D3-01 DO TOU LEGHOOT TO THE FILTER CIRCUITS.  D3-01 DO TOU LIGH OR ADJUST FILTER CIRCUITS.  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D3-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D4-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D4-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOUT TROUBLESHOOT TO COMPONENT PARTS OF FILTER  D5-01 DO TOUT TROUBLESHOOT TO COMPONENT  | CINCUITS CURRENT OR COMPONENT VOLTA  |            |     |             |    |   |    |       |                           |   |
| THE TIME MEGUINED FOR CIRCUIT CURRENT OR COMPONENT  THE TIME MEGUINED FOR CIRCUIT CURRENT AND  D2-09 DO 700 USE EQUATIONS OF FORMULAS TO DETERMINE  D2-09 DO 700 USE EQUATIONS OF FORMULAS TO DETERMINE  D2-09 DO 700 USE OR REFER TO THE GENERAL RULE THAT  CURRENT IN LR CIRCUITS REACHES ITS MINIMUM VALUE (OR  D3-01 DO 700 WORK WITH CIRCUITS USED AS FILTERS ON  D3-01 DO 700 WORK WITH CIRCUITS.  D3-01 DO 700 WORK WORK WORK CIRCUITS.  D3-01 DO 700 WORK WORK CIRCUITS.  D3-01 DO 700 WORK WORK CIRCUITS.  D3-01 DO 700 WORK WORK WORK CIRCUITS.  D3-01 DO 700 WORK CIRCUITS.  D4-01 DO 700 WORK CIRCUITS. | 236  | *          | s   | ۳           | •  | 0 | C  | =     |                           |   |
| D2-09 DO 70U USE EQUATIONS OF FORMULAS TO DETERMINE 3 3 2 7 4 0 2 111 COMPONENT VALUES REQUIRED FOR CITCUIT CURRENT AND 7 10 5 9 6 0 2 1   |  |            |     |             | -  |   |    |       |                           |   |
| COMPONENT VALUES REGULATED FOR CIRCUIT CURRENT AND 02-10 507 ON REFER TO THE GENERAL RULE THAT 02-10 507 ON USE ON REFER TO THE GENERAL RULE THAT 03-61 50 700 USE ON REFER TO THE GENERAL RULE THAT TOUR PHESENT JUB. 10-61 50 700 UNSPECT REPORTED TO THE CIRCUITS. 10-62 50 700 UNSPECT REPORTED TO THE CIRCUITS. 10-63 50 700 LIGH FILTER CIRCUITS. 10-63 50 700 LIGH OR ADJUST FILTER CIRCUITS. 10-63 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 13-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 14-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 50 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER 15-10 5 | 5 237 DZ-09 DO TOU USE EQUATIONS OR FORMULAS TO DETERMINE  | 3          | -   | 7           |    |   | 2  | =     |                           |   |
| 02-10 50 YOU USE OR REFER TO THE GENERAL RULE THAT  CURRENT IN LR CIRCUITS REACHES 175 MINIMUM VALUE 108  03-60 56 62 58 70 50 76 58  TOUR PRESENT JOB:  03-62 50 70 41 51 54 60 0 61 63  03-63 50 70 LLTER CIRCUITS.  03-60 70 70 TROUBLESHOOT TO COMPONENT PARTS OF FILTER  619CUITS.  | COMPONENT VALUES REGUIRED FOR CIRCUIT CURRENT AND  | -          |     |             |    |   |    |       |                           |   |
| CURRENT IN LM CINCUITS MEACHES ITS MINIMUM VALUE 10%  0.3-61 DO TOU MORK WITH CIRCUITS USED AS FILTERS ON  1.0-61 DO TOU MORK WITH CIRCUITS.  0.3-62 DO TOU INSPECT FILTER CIRCUITS.  0.3-63 DO TOU CLEAN FILTER CIRCUITS.  0.3-63 DO TOU LIGH CIRCUITS.  0.3-63 DO TOU LIGH CIRCUITS.  1.0 DO TOU MADUELS HOUT FILTER CIRCUITS.  1.0 DO TOU MADUELS HOUT TO THE FILTER CIRCUITS.  1.0 DO TOU MADUELES HOUT TO COMPONENT PARTS OF FILTER PARTS OF | ERAL RULE THAT   | ,          | 9   | •           |    |   | 0  | 7     |                           |   |
| 03-01 DG TOU MORE WITH CIRCUITS USED AS FILLERS ON 15 SO 41 51 54 60 0 61 63 03-02 DG TOU MORE TELLER CIRCUITS.  03-02 DG TOU INSECT FILTER CIRCUITS.  03-03 DG TOU CLEAN FILTER CIRCUITS.  30 32 30 28 46 50 49 37 03-03 TOU TROUBLESHOOT TO THE FILTER CIRCUIT.  43 27 45 47 60 50 63 53 03-03 DG TOU TROUBLESHOOT TO COMPONENT PARTS OF FILTER  619CUITS.   | TINING VALUE   | 4          | 5.6 |             |    |   | 1  | 6.8   |                           |   |
| 03-02 07 00 1005   |  | 3          | ,   |             |    |   |    |       |                           |   |
| 28 16 32 24 43 0 49 32 20 32 20 43 0 49 32 20 30 30 30 30 30 30 30 30 30 30 30 30 30   | TOOL TOTAL OCCUPANT TOTAL OCCUPANT OCCUPANT TO THE PROPERTY OCCUPANT OCCUPA | 50         | -   |             |    |   |    | 63    |                           |   |
| 03-03 00 100 LLEAT FILTER CITCUITS.  03-04 00 700 ALIGN OR ADJUST FILTER CIRCUITS.  03-05 09 700 TROUBLESHOOT TO THE FILTER CIRCUIT.  03-05 09 700 TROUBLESHOOT TO COMPONENT PARTS OF FILTER  CIRCUITS.  |  | 28         | •   |             |    |   |    | 32    |                           |   |
| 43 27 45 47 60 50 63 53 FILTER 32 13 34 40 53 0 55 53  | מז-מז מי ומי כרביא דורובא כויכוווים  | 0.         | 3.5 |             |    |   |    | 33    | 511 7505                  |   |
| FILTER 32 13 34 40 53 0 55   | DAY CALCAS OF THE PROPERTY OF  | 7 7        | 22  |             |    |   |    | 53    | LILIENS                   |   |
| Clebrates.   | ALLS UNITED TO THE FEMALE TO THE TITLE TO TH | 32         | 13  |             |    |   |    | 53    |                           |   |
|  |  |            |     |             |    |   |    |       |                           |   |

CISCUITS. 53-57 DG YOU REHOVE OR REPLACE THE COMPLETE FILTER

CINCUIT.

542 0

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

| DAF         |  |
|-------------|--|
| 320X1 DAF   | o z  |
| FOR         | E GE   |
| ANSWONG TES | TASK GROUP SUNHARY<br>PERCENT MEMBERS PERFORMING |
| Seam 199    | PERCENT  |

| X1-40  | 022 | 023 0    | 024 025 | 5 026 | 027  | 920 | 920 |          |  |
|--|-----|----------|---------|-------|------|-----|-----|----------|--|
| The contract of the contract o | "   | =        | 3.6     | 13    | 0    | ,   | ;   |          |  |
| FILTER CIRCUITS.   |     |          |         |       |      | 1   |     |          |  |
| DO YOU MORK ON LOW PASS FILTE  | 38  | 52       | 38 4    | 44 59 | 05 4 | 5.6 | 5.8 |          |  |
| 248 D3-10 DO YOU MORK ON HIGH PASS FILTERS.  | 38  |          | 39 4    | 42 60 | 05 ( | 9   | 58  |          |  |
| MORK ON RANDPASS FILTERS.  | 2+  | 32       | 43 4    | 5 64  | 05   | 67  | 5.8 |          |  |
| 00 400 #08K  | 30  |          | 30 3    | 37 49 | 20   | 47  | 53  |          |  |
| 250 03-12 00 YOU MORK ON BAND-REJECT FILTERS.  | 20  | 42       | -       | 5 16  |      | 16  | 1 0 |          |  |
| 252 03-14 DO YOU WORK XITH L-SECTION FILTER CONFIGURATIONS.  | 12  |          | 2       | 6     | 5    | 24  | 4.5 |          |  |
| 03-15 00 YOU WORK #1TH T-SECTION FI  | 20  |          |         | 1     |      | 29  | 4.2 |          |  |
| 03-16 DO YOU WORK AITH PI-SECTION FILTER   | 2.1 | 1.1      |         |       |      | 58  | 47  |          |  |
| 03-17 DO TOU WORK  | 7   | 30       | 34 2    |       | 0    | 17  | 21  |          |  |
| R CONFIGURATIONS.  | *   | •        | 22      | 12 33 |      | 30  |     |          |  |
| TOU MORK AITH.   | 25  |          |         |       |      | 5 . | . 4 |          |  |
| TO TO THE RELATE   | :   |          |         |       |      |     |     |          |  |
| THE DATE SERIES RESONANT CINCUITS USED IN FILLERS  | 57  | <u>.</u> | f 17    | 30    | 20   | *,  | 7,  |          |  |
| 259 33-21 ARE 30% T REMEMBER WHICH TYPE OF BASIC CIRCUIT   | 32  | 30       | 36 2    | 25 39 | 0    | 4.7 | 1.2 |          |  |
| USED IN FILTERS YOU WORK WITH.   | 1   | ~        | 2       | *     | 0    | ,   | -   |          |  |
| CAPACITANCE OR INDUCTANCE VALUES R   |     |          |         |       |      |     |     |          |  |
| 261 EI-01 DO YOU MORK MITH COUPLING DEVICES ON YOUR PRESENT  | 43  | 0+       | 43 4    | 46 59 | 0    | 9   | 5.8 |          |  |
| JOB. 262 E1-02 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND   | 35  | 52       | 34 4    | 5 49  | 0    | 47  | 5.6 |          |  |
| RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED   | :   | 1        | 1       |       | c    | j   | •   |          |  |
| TO THE ACTUAL CIRCUITRY THE COHPON   | ,   |          |         |       |      | 5   |     | COUPLING |  |
| 264 E1-C4 DO TOU LOENTIFY ON SCHEMATIC DIAGRAMS AND RELATE   | 35  | 12       | 35 4    | 45 54 | 0    | 55  | 5.8 |          |  |
| TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED 265 E1=05 DO TOU TROUBLESHOOT CIRCUITS WHICH HIME COMPONENTS   | 33  | 5.4      | 32 4    | 42 50 | 0    | +   | 6.3 |          |  |
| 266 EL-36 DO TOO TROUBLESHOOT CIRCUITS MAILS HAVE COMPONENTS   | ĩ   | 52       | 30      | 39 51 | 0    | 5   | 88  |          |  |
|  | :   |          | 13 43   |       |      | 3   | ;   |          |  |
| MAICH PERFORM THE TRANSFORMER COUP   | }   |          |         | 1     |      | ;   | 3   |          |  |
| E1-39 DO YOU MORK MITH DIRECTLY COU  | 0   | 54       | 88 *    | _     |      | 39  | 5.8 |          |  |
| 269 ET-09 DG TOU WORK WITH CAPACITIVE-RESISTIVE COUPLED  | 30  |          |         | 1 43  | 0    | 30  | 85  |          |  |
| 270 EI-IG DO TOU MONY WITH CAPACITIVE-INDUCTIVE COUPLED  | 82  | 22       | 26 36   | *     | 0    | =   | 95  |          |  |
| CINCUITS.  CINCUITS.  CINCUITS.  | 0.  | 2.5      | 90      | •     |      |     |     |          |  |
|  |     |          |         |       | ,    | ? , |     |          |  |
|  |     |          |         |       |      |     |     |          |  |

| 273 E2-01 ON YOUR PRESENT JOB OD YOU PERFORM SOLDERING TECHNIQUES OR INSPECT OR EVALUATE SOLDERED CONNECTIONS 274 E2-02 DO YOU SELECT TYPE OF SOLDER TO USE. 275 E2-03 DO YOU ADD FLUX TO CONNECTIONS. 276 E2-05 DO YOU CLEAM CONNECTIONS SOLVENTS. 277 E2-05 DO YOU CLEAM CONNECT OR DISCONNECT HEAT SINKS. 278 E2-06 DO YOU CUT **IRES. 279 E2-07 DO YOU CUT **IRES. |        | 023      | 024 | 920        | 026 | 027 | 028 | 020  |            |
|--|--------|----------|-----|------------|-----|-----|-----|------|------------|
| TECHNIQUES OF INSTECT OF EVALUATE E2-02 DO TOU SELECT TPE OF SOLDER E2-04 DO TOU ADD FLUX TO CONNECTION E2-05 DO TOU CLEAN CONNECTION FROM E2-05 DO TOU CONNECT OF DISCONNECT E2-05 DO TOU CONNECT OF DISCONNECT E2-05 DO TOU CONNECT OF DISCONNECT E2-05 DO TOU BEND ON SHAPE WIRES OR E2-05 DO TOU CUT IRES.   | 83     | 0        | 82  | 83         | 8   | 100 | 80  | \$   |            |
| E2-03 DO TOU ADD FLUX TO CONNECTION  E2-04 DO YOU CLEAN CONNECTIONS USIN  E2-05 DO YOU STRIP INSULATION FROM  E2-05 DO YOU SONNECT OR DISCONNECT  E2-05 DO YOU BEND OR SHAPE WIRES OR  E2-06 DO YOU FLUX OR SHAPE WIRES OR   |        | 63       | 4   |            | 2,4 | 9   | ,   |      | SOLDERING  |
| E2-04 00 YOU CLEAN CONNECTIONS USIN<br>E2-05 00 YOU CLEAN CONNECTION FROM<br>E2-06 00 YOU STRIP INSULATION FROM<br>E2-06 00 YOU BEND OR SHAPE WIRES OR<br>E2-06 00 YOU BEND OR SHAPE WIRES OR  |        |          | 200 | 9 6        | 0 0 | 2   | 7 4 | 9 0  | SOCOCHILIE |
| E2-05 00 700 STRIP INSULATION FROM W<br>E2-06 DO TOU CONNECT OR DISCONNECT N<br>E2-05 DO TOU CUT "IRES OR<br>E2-08 DO TOU CUT "IRES.   | 76     | 10       | 11  | 15         | 7.  | 20  | 73  | 19   |            |
| E2-C4 DO TOU CONNECT OR DISCONNECT H<br>E2-C7 DO TOU CONNECT OR SHAPE WIRES OR<br>E2-C9 DO TOU CUT "IRES.  | 83     | 8        | 84  | 18         | 18  | 100 | 0   | *    |            |
| E2-67 DO YOU BEND OR SHAPE WIRES OR<br>E2-69 DO YOU CUT MIRES.   | 75     | 1.       | 11  | 75         | 7.4 | 20  | 73  | 19   |            |
| 62-09 DO YOU CUT WIRES.  | 18     | *        | 82  | 18         | 8   | 100 | 90  | 4    |            |
| CZ-09 On You Fire OR Suape COLORRING   | 83     | 87       | 83  | 78         | 90  | 100 | 7.8 | # 60 |            |
| בנים מו מו בנים מו משינה מסרום ביים  | **     | 2.0      | 6.5 | 69         | 10  | 20  | 55  | 14   |            |
| EZ-10 DO YOU TIN SOLDERING IRON TIPS   | 79     | 8        | 0.9 | 11         | 19  | 100 | 1,6 | 10   |            |
| E2-11 DO YOU CLEAN SOLDERING IRON T  | 18     | 83       | 82  | 11         | 81  | 001 | 90  | *    |            |
| E2-12 DO YOU CLEAM ELECTRICAL SURFA  | 75     | 14       | 75  | 7.3        | 74  | 20  | 73  | 19   |            |
| E2-13 DO YOU TIN OR PRE-TIN CONDUCT  | 11     | 18       | 11  | 11         | 19  | 100 | 16  | 4    |            |
| . E2-14 DO YOU INSPECT SOLDERED CONNE  | 82     | <b>7</b> | 8   | 82         | 80  | 100 | 76  | 68   |            |
| EZ-15 DO YOU DESOLDER CONNECTIONS BY MI  | 70     | 7.3      | 7.1 | 67         | 70  | 20  | 9.2 | 4 00 |            |
| 1 £2-16 00 YOU   | 99     | 4        | 00  | 47         | 7.3 | 20  | 73  | 14   |            |
| DESOLDERING TOOLS.   |        |          |     |            |     |     |     |      |            |
| 00 400   | 58     | 7        | 9   | 09         | 19  | 0   | 59  | 7.4  |            |
| E2-18 DO YOU CRUSH COMPONENTS FOR F  | 23     | •        | 52  | 23         | 27  | 0   | 27  | 32   |            |
| EZ-19 DO YOU MAKE HAPDWIRE CONNECTI  |        | 7.5      | 20  | 75         | 7.1 | 100 | 65  | 7    |            |
| 292 EZ-ZO DO YOU MAKE PRINTED CINCUIT BOARD CONNECTIONS  | •      | 2.       | 7   | 27         | 6 9 | 20  | 67  | *    |            |
| EZ-ZI DO TOU SOLDEM PASSIVE COMPONE  | *      | 21       | 63  | 24         | 67  | 20  | 0   | 63   |            |
| 4 45 SOLID-57  | ATE S7 | *        | 5 6 | 5.8        | 9,  | 9.0 | 41  | 63   |            |
| S ON TANNSISTONS ON PRINTED CLACUIT HOLEN  | 35     | 100      | ,   | 1          | 100 | 000 | 6   | 1    |            |
| 200 00 00 00 00 00 00 00 00 00 00 00 00  | 5 5    | : :      | :   | 0          | 0 . | 001 | 70  |      |            |
| 20-02 00 100   | 2:     | - :      | 2 : | 2 9        | . : | 0 0 |     | .:   |            |
| 13-03 00 10n   | 77     | 17       | 36  | 5.2        | 7   | 0   | 4.1 | 16   |            |
| DO TOU INSPECT MELATS  | 90     | 3        | 3.5 | - 0        | 6   | 200 | ō , | 0    | RELAYS     |
| ESTOS DE 100 METONE ON MENLACE COMPLETE  |        | 00       | 6   | •          | -   | 001 | =   | 0    |            |
| E3-06 DO YOU MEMOVE OR MEPLACE PARTS   |        | •        | S   | <b>3</b> 0 | _   | 0   | •   | =    |            |
| E3-07 DO YOU TROUBLESHOOT HELAYS   | 59     | 7        | 65  | 89         | 67  | 20  | 9.  | 7.4  |            |
| E3-08 DO YOU STRAIGHTEN RELAY CONTACTS   | 58     | 22       | ~   | 27         | 36  | 0   | ÷   | 7    |            |
| E3-09 DO TOU PERFORM TASKS ON RELAT CONT   | 50     | 6        | 50  | 2.5        | 30  | 0   | 3.  | 35   |            |
| no Aon   | •      | s        | 7   | ~          | 3   | 0   | 7   | s    |            |
| DO YOU PERFORM TASKS ON RELAY  | •      | 5        | 7   | *          | 9   | 0   | •   | ş    |            |
| DO YOU PERFORM TASKS ON RELAY  | ur.    | •        | 5   | s          | =   | a   | 12  | =    |            |
| ORR TASKS ON RELAY   | •      | æ        | 7   | ^          | 0   | 0   | 10  | =    |            |
| DO YOU USE ON PEFER TO SINGLE  |        | 5.1      | 59  | 63         | 19  | 0   | 63  | 63   |            |
| MORMALLY OPER 1401 SCHEMAT   |        |          |     |            |     |     |     |      |            |
| 339 E3-15 DO TOU USE OR REFER TO SINGLE POLE, SINGLE TARON   | 58     |          | 28  | 70         | 19  | ۵   | 63  | 63   |            |
| (SPST), NORMALLY CLOSED (4C) SCHEMATIC STR   | 2      |          |     |            |     |     |     |      |            |
| 10 514616  | 57     | 3.       | 21  | 09         | -   | 0   | 63  | 63   |            |
| (SPOT) SCHEMATIC STRBOLS FOR RELATS  |        |          |     |            |     | ,   |     |      |            |
| 311 E3-17 DO YOU USE OR REFER TO COUBLE POLE. COUBLE TARGE   | 95     | 25       | 25  | 7 9        | 00  | 0   | -   | 63   |            |

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

5 40

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND SEMICONDUCTOR DIODES . ~ 5 P C O O C 5 6 2 6 6 8 GPSHZA PAGE 0 7 . \* 5PC 023 . . 2 9 9 = \* FISO FILE TING ATTENUATOR PROBES

FISO FILES OF THE WATOR PROBES

FISO FILES OF THE HOLT THE HULTIPLIERS

FIST FIG DO YOU USE OSCILLOSCOPES TO HEASURE AC VOLTAGE

FIST FILES

FIST FIRES OSCILLOSCOPES TO HEASURE OF OBSERVE

SIGNALS AFTER FIRST ADJUSTING THE SAIN AND DC BAL CONTROLS

FIST FIG TOU USE OSCILLOSCOPES TO HEASURE OC YOUTAGE

FIST FIRST FIRST HOLD THE SAIN AND DC BAL CONTROLS

FIST FILES FIRST FIRST PROBLES FOR THE SAIN AND DC BAL CONTROLS

FIST FIRST FIR 348 F3-07 DO YOU USE OSCILLOSCOPES TO OBSERVE LISAJOUS PATTERNS 349 F3-08 DO YOU USE OSCILLOSCOPES TO OBSERVE SIGNALS "HILE 6 359 GI-GA DO YOU USE PN JUNCTION DIODE CHARACTERISTIC CURVES.
TOSETHER WITH VALUES OF FORMARD AND REVERSE BIAS VOLTAGE.
G 350 GI-GT DO YOU COMPUTE FORMARD OR REVERSE BIAS RESISTANCE FOR G 369 GI-16 DO YOU USE OF REFER TO KINETIC ENERGY OF AN ELECTRON G 361 GI-UB DO YOU USE OF REFER TO THE GENERAL RULE THAT
TEMPERATURE CAN AFFECT THE OPERATION OF DIODES
TEMPERATURE CAN DEPOSED TO
TO DE DESCRIPTION OF DIODES AS OPPOSED TO
G 363 GI-10 DO YOU REFER TO OF DO YOU DETERMINE THE GENERAL
EFFECTS OF DOPING ON CURRENT FLOW G 364 GI-II DO YOU USE OR REFER TO MEASUREMENTS OF FORMARD BIAS ORBIT AROUND A MUCLEUS
USE ON REFER TO CENTRIPETAL FORCE OF AM
ORBIT AROUND A MUCLEUS
USE OR REFER TO DIODE NUMBERING SYSTEM, SUCH 355 GI-02 DO YOU INSPECT GIODES
356 GI-03 DO YOU REHOVE OR REPLACE DIODES
357 GI-04 DO YOU CHECK DIODES USING AN INSTRUMENT
357 GI-05 DO YOU USE ENERGY LEVEL DIAGRAMS IN YOUR NORY NITH A STISTANCE A STANCE AND USE OF REFER TO NUMBER OF ELECTRONS IN A PARTICULAR SHELL OR OREIT STALL SOFTON USE ON REFER TO PERMISSIBLE ENERGY LEVELS IN OPBIT OR PEFER TO MEASUREMENTS OF REVERSE 365 61-12 00 YOU USE OR REFER TO DIODE COLOR CODING 366 61-13 00 YOU USE OR REFER TO CENTRIFUSAL FORCE OF G 370 GI-17 30 YOU USE OR REFER TO POTENTIAL ENERGY OF PET HARS ANSMANG TES FOR 326X1 DAFSC GAPS 07-TSK AN ORBITING ELECTRON TASK GROUP SUNNAHY
RERCENT MEMBERS PERFORMING 368 61-15 00 700 USE 371 GI-18 DO 700 USE MOVING IN ORBIT 6 367 61-14 00 YOU RESISTANCE 45 IN 538 5 348 F3-07

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND 5 PC 0 0 0 0 0 0 9 92 2 0 21 5 P C 0 c 67 12 7 5 P C 0 0 0 0 0 0 O 000 1, 5PC 026 2 54 0 c 2 - 2 SPSHZA PAGE SPC 025 65 13 0 0 0 5PC 024 0 0 0 O 0 55 22 2 0 0 0 5PC 023 0 6 0 0 5 P C 0 55 0 53 s 0 0 0 0 CONSTRUCTION OF DIODES SUCH AS GERMANIUM OR SILICON
CONSTRUCTION DEED TO KNOW THAT SEMICONDUCTORS HAVE NEGATIVE
TEMPERATURE COCFFICIENTS OF RESISTANCE (AS TEMPERATURE
6, 380 G1-27 DO YOU USE OR REFER TO PN JUNCTION DIODE
CHARACTERISTIC CURVE, AS YOLTAGE — CURRENT
CHARACTERISTIC CURVE, AHENHER PN JUNCTION DIODES ARE
FORWARD BIASED OF REVERSE BIASED WHEN YOU PEAD OR 0 6 382 61-29 DO YOU USE OR REFER TO VALENCE BAND IN SEMICONDUCTOR GI-34 DO TOU USE ON MEFER TO ELECTRON FLOW OR MOLE FLOW IN SEMICONDUCTORS REFER TO P-TYPE SEMICONDUCTOR MATERIAL REFER TO M-TYPE SEMICONDUCTOR MATERIAL REFER TO MAJORITY CARRIERS IN OR REFER TO PELATIONSMIP BETWEEN BARRIER INDICATE THE CATHODE END 6 378 GI-25 DO YOU NEED TO KNOW WHICH MATERIALS ARE USED IN THE 61-21 DO YOU USE OR REFER TO FORBJODEN ENERGY LEVELS OF A ORBITING ELECTRONS THOSE IN GI-22 DO YOU USE OR REFER TO VALENCE ELECTRONS THOSE IN GI-23 DO YOU USE OR REFER TO ATOMIC NUMBER (TOTAL NUMBER 386 G1-33 DO YOU USE OR REFER TO ELECTRON-HOLE PAIR CREATED SEMICOLOUCTORS ELECTRONS IN ATOM) G. 377 GI=24 DO YOU USE OR PEFFR TO SYMBOLS ON THE DIODE AMICH <u>.</u> S 394 G1-41 DO YOU USE OR REFER TO JUNCTION RECOMBINATION 389 61-36 DO YOU USE OR RIFER TO ACCEPTOR IMPURITY IN 393 GI-43 DO YOU USE OF REFER TO MINORITY CARRIERS IN 345 61-32 DO YOU USE OR REFER TO COVALENT BONDING IN SEMICONDUCTOR MATERIALS G 395 GI-42 DO YOU USE OF REFER TO DEPLETION REGION IN SEMICOMOUCTOR MATERIALS
J84 61-31 DO YOU USE OR REFER TO CONDUCTION BAND IN 383 GI-30 DO YOU USE OR REFER TO FORBIDDEN BAND IN 388 GI-35 DO TOU USE OR REFER TO DONOR IMPURITY IN PCT MBRS ANSWRNG YES FOR 326X1 DAFSC CRPS 6 396 G1-43 DO YOU USE OR REFER TO PELAT MIDTH AND DIFFERENCE OF POTENTIAL DY-15K DH REFER SEMICONDUCTOR MATERIALS TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING THE OUTERHOST SHELL! 00 391 GI-39 DO TOU USE 391 GI-39 DO TOU USE 392 GI-39 DO TOU USE SEMICONDUCTORS SE-ICONDUCTORS SEMICONDUCTORS SE-ICONDUCTORS SEMICONDUCTORS MATERIALS 181

| - X020   |            | ,     | ***   | 100                            | 0                  |       | 1000  | AIR FORCE SYSTEMS COMMAND  |
|--|------------|-------|-------|--------------------------------|--------------------|-------|-------|--|
| TASK GROUP SUMMARY   |            |       |       |                                |                    |       |       |  |
|  |            |       |       |                                |                    |       |       |  |
| 0,-15x   | 5PC<br>022 | SPC : | SPC 5 | SPC SF                         | SPC SPC<br>026 027 | 5 5PC | 5 p C |  |
| 397 GI-44 DO YOU USE OF PEFER TO THE 10:1 BACK TO FRONT  | 7          | 58    | 0.7   | 65                             | 63                 | 95 0  | 19    |  |
| RESISTANCE RATIO FOR DIODES  |            | c     |       |                                |                    |       | c     |  |
| SENICONDUCTORS   |            | ,     |       |                                |                    |       |       |  |
| 399 G1-40 DO TOU USE ON REFER TO 010DE SUBSTITUTION  | 23         | =     | 21    | 35                             | 29                 | 240   | 7,    |  |
| 400 GI-47 DO YOU USE OR REFER TO MAXIMUM AVERAGE FORMARD   | ۰          | •     | 30    | *                              | * "                | 0 12  | 2.1   |  |
| CURRENT DIODE RATINGS<br>401 GI-48 DO YOU USE OF REFER TO PERK RECURRENT FORMARD CURRENT   | œ          | •     | ,     | 0                              |                    | 0 12  | •     |  |
| TINGS<br>TOU USE OR REFER TO   | 10         | ٠     | 69    |                                |                    | 21 0  | •     |  |
| OR REFER TO PEAK REVERSE (INVERSE)   | =          | œ     | ٠     | •                              |                    | 0 12  | 2.1   |  |
| DIODE RATINGS  |            |       |       |                                |                    |       |       |  |
| 404 62-01 DO TOU MORE WITH TRANSISTORS IN YOUR PRESENT JOB.  | 12         | 65    | 7.2   | 0.                             | 83 5               | 99    | 10    |  |
| 62-03 00   | 70         | 0 0   | 2 0   |                                | J                  |       |       |  |
| 62-04 DO YOU CHECK TRANSISTORS USI   | 5.8        | 10    | 9 9   | 7 3                            |                    | 7.    | 90    | TRANSISTORS  |
| DO YOU USE OR PEFER TO EMITTER   | 5.1        | 38    | 5.1   |                                |                    | 0 07  | 1.    |  |
| RESISTANCE MEASUREMENTS<br>USE OF MEFER TO COLLECTOR   | 15         | 33    | 52    | 5.8                            | 70 5               | 0     | **    |  |
| AND REVERSE RESISTANCE MEASURENTS<br>*10 G2=07 DO YOU USE OR PEFER TO EMITTER - COLLECTOR (EC)   | 20         | 33    | 5.2   | 5.8                            | 70 50              | •     | :     |  |
| NISAI  | 12         | =     | 12    | 0                              |                    | 0 20  | =     |  |
|  | =          | =     | 12    |                                |                    |       | =     |  |
| PHYSICAL BARRIER MICTH OF THE COLLECTOR G2-10 00 YOU USE OR REFER TO THE PHYSICAL  | 22         | 2.1   | 20    | 27                             |                    |       | 35    |  |
| TREMSISTOR STRUCTURE (COLLECTOR, BASE AND EMIT<br>G2=11 DO YOU USE OF REFER TO LEAKAGE CURRENT (1  | •          | =     | æ     |                                |                    |       | •     |  |
| USE OR REFER TO TRANSISTOR SCHEMATIC STAR  | 8          | 5.9   | 6,9   | 7.2.7                          |                    |       | \$    |  |
| OR REFER TO TRANSISTOR NOTATION S  | 6.3        | 20    | 6.9   |                                | 17 50              | 00    | *     |  |
| 417 GZ-14 DO TOU USE OF PEFER TO TRANSISTOR SUBSTITUTION   | 5.6        | 2.1   | 30    | 33                             | 34                 | 0 35  | 3,1   |  |
| OR SEFER TO THE GENERA   | 20         | •     | 8     | •                              | 2.6                | 0 27  | 26    |  |
| THE STATE OF THE STATEMENT THE PROPERTY OF A STATEMENT OF THE STATEMENT OF | 23         | 12    | 27    | 5.                             | 34                 | 35    | 37    |  |
| THE GENERAL ROLE THAT LEAKAGE CURRENTS   | -          | •     | 1.2   | 0.1                            |                    | 91 3  | 9.2   | The second secon |
| 144  |            |       |       | The part of the law was an ex- |                    |       |       | the second secon |

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AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND TRANSISTOR AMPLIFIERS 100000 580 32 32 5 P C 200000 50 5PC 027 0 5PC 026 -0000 30000 c 54 50 30 GPSMZA PAGE SPC 025 0 9 SPC 024 000 17 5 2 000000 0 . \* 2 7 8 7 22 2 G3-02 DD TOU INSPECT TRANSISTOR AMPLIFIERS
G3-03 DO TOU ALISM ON ADJUST TRANSISTOR AMPLIFIERS
G3-04 DO TOU TROUBLESHOOT TO THE AMPLIFIER CIRCUIT LEVEL
G3-05 DO TOU TROUBLESHOOT TO AMPLIFIER COMPONENTS
G3-05 DO TOU REMOVE OR REPLACE THE COMPLETE AMPLIFIER
G3-07 DO TOU REMOVE ON REPER TO (COMMON EMITTER) THE CHANGE IN
COLLECTOR CORREYT WHICH RESOLTS FHOM A CHANGE IN
G0-07 DO TOU USE OR REFER TO (COMMON EMITTER) THE G +37 43-10 DO YDU USE DR FEER TO ICOMHON ENITER) THE CHANGE IN G +37 43-10 DO YDU USE DR FEER TO ICOMHON ENITER) THE CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A CHANGE IN BASE G +36 43-11 DO TOU USE OR WEFER TO ICOMHON EMITTER) THE CHANGE IN G +39 G3-12 DO TOU USE OR WEFER TO ICOMHON EMITTER) THE CHANGE IN G +39 G3-12 DO TOU USE OR REFER TO ICOMHON EMITTER) THE CHANGE IN G +49 G3-12 DO TOU USE OR REFER TO ICOMHON EMITTER) THE YOU CALCULATE THE VOLTAGE GAIN FOR SPECIFIC TRANSUUSING A FORMULA THAT 15, DO YOU DIVIDE THE CHANGE CALCULATIONS NECESSARY TO HEASURE THE SPECIFIC CHANGE IN 63-14 DO YOU USE THE LOAD-LINE METHOD OF ANALYSIS IN YOUR CIRCUIT ANALYSIS (THIS METHOD REQUIRES YOU TO PLOT A 63-16 DO YOU CALCULATE THE SPECIFIC QUIESCENT POINT FOR CALCULATE BETA TRANSISTOR GAINS
CALCULATE ALPHA TRANSISTOR GAINS
CALCULATE GAMMA TRANSISTOR GAINS
MONK MITH TRANSISTOR AMPLIFIERS IN TOUR YOU MEASURE YOUTAGE GAIN USED IN THE COMMON GI-IB DO YOU MEASURE CURRENT GAIN USED IN THE COMMON OR REFER TO BETA TRANSISTOR GAINS OF REFER TO ALPHA THANSISTOR GAINS OR REFER TO GAMMA TRANSISTOR GAINS 63-15 DO TOU USE OF REFER TO THE OPERATING POINT OF TOLIESCENT POINTS FOR A TRANSISTOR PCT MBRS ANSWRNG YES FOR 326X1 DAFSC GRPS 27-15K EMITTER CONFIGURATION EMITTER CONFIGURATION PARTICULAS TRANSISTOR CONFIGURATION TASK GROUP SUMMANT PERCENT MEMBERS PERFORMING YOU USE 100 100 0000 63-17 00 000 PRESENT 62-22 62-23 42-29 10-69 431 7 4 5 . . 0 430 447

| TASK GROUP SUNHARY PERCENT MEMBERS PERFORMING   |            |             |       |                |          |                    |                |
|---|------------|-------------|-------|----------------|----------|--------------------|----------------|
| X21-70  | SPC<br>022 | 5 P C 0 2 3 | 5PC : | SPC S<br>025 0 | SPC 51   | SPC SPC<br>027 028 | C SPC<br>8 029 |
| 6 63-21 DO YOU CALCULATE THE CURRENT GAIN FOR SPECIFIC  | ~          | ~           | 2     | -              | ,        | 0                  | S              |
| THANSISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE  | ~          | ~           | ~     | -              | 4        | ٥                  | ιn             |
| TRANSISTOR USING A FORMULA THAT IS, DO YOU SEED TO KNOW THAT HORE COLLEC  | 20         | •           | ۰     | 60             | <u>.</u> | 0                  | 14 10          |
| GENERATED WITH LESS COLLECTOR VOLTAGGS-24 DO YOU COMPUTE THE STATIC OPERA   | -          | ~           | -     | o              | _        | 0                  | 0 2            |
| TRANSISTOR AT DIFFERENT TEMPERATURES 452 63.25 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO                | 7.         | *           | •     | 2.8            | 36       | 0                  | 33 47          |
| THE ACTUAL CIRCUITAY THE COMPONENTS ASSOCIATED WITH 453 63-26 DO YOU JOENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO | -          | <b>*</b>    | 91    | 27             | 56       | 0                  | 24 42          |
| THE ACTUAL CIRCUITAY THE COMPONENTS ASSOCIATED 63-27 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND                    | 20         | =           |       | 29             | 31       | 0                  | 27 47          |
| THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED  | 2.1        | <u>*</u>    | 6-1   | 5.6            | 36       | 0                  | 33 47          |
| THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED  | 2          | *           | •     | 56             | 36       | 0                  | 33 47          |
| THE ACTUAL CIRCUITAY THE COMPONENTS ASSOCIATED  | 2          | 2           | 15    | 22             | 27       | 0                  | 22 42          |
| THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH   | 55         | •           | 24    |                | 37       |                    | 35 47          |
| WHICH PERFORM ENITER (SMG3-32 DO YOU TROUBLESHOOT   | 2          | •           | 22    |                | 33       |                    | 31 42          |
| MAICH PERFORM SELF-RIAS STABILIZATION 63-33 DO YOU TROUBLESHOOT CIRCUITS MAICH HAVE                               | 23         | •           | •     |                | 30       | 0                  | 22 53          |
|   | 54         | 91          | 23    | 32             | 36       | 0                  | 33 47          |
| HAICH PERFORM FORMAND BIAS DIDDE STABILIZATION 402 634-35 DO YOU TROUBLEAHDOT CIRCUITS MAICH MAVE COMPONENTS      | 25         | •           | 23    | 32             | 36       | 0                  | 33 47          |
|   | 6.1        | -           | •     | **             | 29       | 0                  | 24 42          |
| GA-37 DO YOU IDENTIFY AMPLITUDE DISTORTION FOR  | 3.6        | •           | \$2   | 33             | 37       | 0                  | 39 37          |
| 19  | 23         | =           | 23    | 5.2            | ;        | 0                  | 13 53          |
| CAUSES OF AMPLITUDE DISTORTION  |            |             |       |                |          |                    |                |

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND SOLID-STATE SPECIAL PURPOSE DEVICES POWER SUPPLIES = 32 47 5PC 028 \* • ÷ SPC 027 a 5PC 026 9 ! 7 4 50 40 40 40 40 GPSHZA PAGE 5PC 025 3 3 3 2 3 5PC 024 -5 P C • ~ 7 1 . 2 5 5 • 9 4 5 6 6 200-75000 477 H-010 DO TOU USE OR REFER TO VARACTORS
478 H1-02 DO TOU USE OR REFER TO TUNNEL DIODES
479 H1-03 DO TOU USE OR REFER TO TUNNEL DIODES
479 H1-03 DO TOU USE OR REFER TO TUNNEL DIODES
460 H1-04 DO TOU USE OR REFER TO TUNECALIES
461 H1-05 DO TOU USE OR REFER TO TO TOUR MOKE WITH POWER SUPPLIES
463 H1-05 DO TOU USE OR REFER TO TO TOUR MOKE WITH POWER SUPPLIES
464 H2-03 DO TOU USE OR REFER TO TOUR MOKE WITH POWER SUPPLIES
465 H2-03 DO TOU USE OR REPLIES
466 H2-03 DO TOU USE OR REPLIES
467 H2-03 DO TOU USE OR REPLIES
468 H2-03 DO TOU ROUBLESHOOT TO POWER SUPPLY CIRCUIT LEVEL
468 H2-03 DO TOU ROUBLESHOOT TO POWER SUPPLY COMPONENTS
469 H2-03 DO TOU REHOVE OR REPLACE POWER SUPPLIES
469 H2-03 DO TOU REHOVE OR REPLACE POWER SUPPLIES
469 H2-03 DO TOU REHOVE OR REPLACE POWER SUPPLIES
469 H2-03 DO TOU REHOVE OR REPLACE POWER SUPPLIES
469 H2-03 DO TOU REHOVE OR REPLACE POWER SUPPLIES
469 H2-03 DO TOU WORK WITH HALF-MAVE RECTIFIERS
470 H2-03 DO TOUR REHOVE OR REPLACE FOR THE THAN 468 63-41 DO TOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF PHASE DISTORTION
467 63-42 DO TOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF FREQUENCY DISTORTION
470 63-43 DO TOU NEED TO RHOW THE DEGENERATIVE EFFECTS ON THE CIRCUIT CAUSED BY CHANGING EMITTER RESISTANCE FOR 471 G3-49 DO TOU DETERMINE THE CLASS OF OPERATION FOR THE CLASS OF OPERATION FOR HAPLIFIER CIRCUITS AMPLIFIERS IN TROUBLESHOOT OR REPAIR PARAMASE AMPLIFIERS 473 G3-45 DO TOU TROUBLESHOOT OR REPAIR PARAMASE AMPLIFIERS 473 G3-47 DO TOU TROUBLESHOOT OR REPAIR COMPLEMENTARY STAMETRY 63-39 Dg You lothify FREQUENCY DISTORTION FOR TRANSISTOR CINCUITS
63-40 DG You lothify PHASE DISTORTION FOR TRANSISTOR YOU TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED 476 53-49 DO YOU TROUBLESHOOT OR REPAIR CASCADE-COMMECTED 92106E RECTIFIERS
42-11 DO YOU MORK MITH BRIDGE RECTIFIERS
42-12 DO YOU WORK MITH THREE-PHASE RECTIFIERS
42-13 DO YOU USE OF REFER TO INPUT FREQUENCY
42-14 DO YOU USE OF REFER TO INPUT FREQUENCY
42-15 DO YOU USE OF REFER TO PEAR OUTPUT VOLTAGE
42-16 DO YOU USE OF REFER TO RIPPLE AMPLITUDE
42-17 DO YOU USE OF REFER TO RIPPLE AMPLITUDE
42-19 DO YOU USE OF REFER TO RIPPLE AMPLITUDE PET MBHS ANSWRING YES FOR 376X1 DAFSC GRPS TASK GROUP SUMMARY
PERCENT HEMBERS PERFORMING CIRCUITS CIRCUITS 63-46 00 0 00 7 e 0 

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND OSCILLATORS 47 7 4 7 4 5 26555555 537 53 33 53 = -5PC 028 - 0 - 0 0 0 37 37 35 37 0 20 22 5 6 9 1 2 2 2 3 3 5 51 7 5 5 47 5PC 027 00000 00000 0 0 0 0 0 20 0 00 000000000 0 20 20 0 22 200 37 36 37 43 \* 99 \$ 0 5 000 4 . 4 0 - - - 5 47 20 . 5 2 GPSNZA PAGE 45 47 25 ~ 0 23 45 140000000 35 . \* 35 - 70 7 8 0 8 7 9 7 - 92 30 32 36 7 24 33 . 7 0 220 22 2 4 5 7 8 30 53 27 7 22 \* 4 4 5 5 20000----22 22 6 7 \$ 27 9 -37 35 35 35 38 111000000 0 4 7 7 0 4 0 0 30 32 -1, 2 OR REFER TO PEAK REVERSE LINVERSE! VOLTAGE OR REFER TO SHAPE OF OUTPUT MAVEFORMS OF REFER TO EFFECTIVE OUTPUT VOLTAGE 00 ... T REMEMBER DEVICES +3-19 DO YOU WORK #17H OSCILLATORS WHICH USE RC METHORKS HZ=19 DO YOU USE OR REFER TO PEAK REFERSE (INVERSE) VOLT HZ=20 DO YOU USE OR REFER TO SHAPE OF OUTPUT MAVEFORMS HZ=21 DO YOU USE OR REFER TO EFFECTIVE OUTPUT VOLTAGE HZ=22 DO YOU WORK MITH CIRCUITS WHICH EMPLOY CAPACITIVE FILTERS - SOF YOU MORK WITH CIRCUITS WHICH EMPLOY RC PI-TYPE CAPACITIVE H 508 HZ-Z6 DO YOU WORK WITH CIRCUITS WHICH EMPLOY LC PI-TYPE FILTERS 505 HZ-23 DO YOU MORK WITH CIRCUITS MHICH EMPLOY INDUCTIVE INPUT L-TIPE FILTERS 507 H2-25 DO TOU MORK WITH CIRCUITS WHICH EMPLOY INDUCTIVE HIGH OF TOUR INSPECT OSCILLATORS

HIGH OF ADJUST OSCILLATORS

HIGH OF ADJUST OSCILLATORS

HIGH OF OUR REMOVE OR REFLACE COMPLETE OSCILLATORS

HIGH OF TOUR REMOVE OR REFLACE OSCILLATOR COMPONENTS

HIGH OF TOUR PROUBLESHOOT TO OSCILLATOR COMPONENTS

HIGH OF TOUR OSCILLATOR COMPONENTS

HIGH OSCILLATOR CO SJI HJ-20 DG YOU WORK AITH OSCILLATORS WHICH USE CAYSTALS 6 E OR PEFER TO AMPLITUDE STABILITY
E OR PEFER TO PREQUENCY STABILITY
E OR PEFER TO DAMPING
E OR PEFER TO PIEZOELECTRIC EFFECT
E ON PEFER TO PIEZOELECTRIC EFFECT
E ON PEFER TO UNDER DAMPING
E OR PEFER TO UNDER DAMPING AITH OSCILLATORS WHICH USE LC TANK FILTERS

- SID A2-28 DO TOU MORK WITH CIRCUITS WHICH EMPLOY DOW'T

REMEMBER WHICH TYPE OF FILTER

H SII A2-28 DO TOU MAVE THE OPTION OF REPLACING ONE TYPE

FILTER WITH A DIFFERENT TYPE FILTER MORK WITH OSCILLATORS IN YOUR PRESENT MAICH TYPE OF FOUNTH SERIES HARTLEY SINUSOIDAL 506 42-24 00 YOU WORK MITH CIRCUITS WHICH EMPLOY FOD MINE MITH OSCILLATORS WHICH USE PET HBRS ANSWANG YES FOR 326X1 DAFSC SAPS INPUT L-TYPE FILTERS TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING 43-18 DC YOU WORK USE 43-16 DG 70U USE 200 100 100 100 CIRCUITS AS OSCILLATORS -3-01 00 -3-62 00 FILTERS F13 +3-05 519 524 523 510 + 532 205 533

AF HUMAN RESOURCES LABORATORY

| Second    | T HBRS ANSWENE TES FOR 32641 DAFSC GRPS                    |            |     |     |    |      |     |            |           |
|--|--|------------|-----|-----|----|------|-----|------------|-----------|
| 11-13   10   10   10   10   11   12   13   13   13   13   13   13  | NS GROUP SU  |            |     |     |    |      |     |            |           |
| SPEC SPEC SPEC SPEC SPEC SPEC SPEC SPEC  | CENT MEMBER  |            |     |     |    |      |     |            |           |
| 11-13 DO TOU CORE WITH CLIFF STANDONIAL DECIDATIONS 19 16 17 18 19 25 33 35 2 2 4 4 2 2 19 19 10 10 0000 WITH CLIPPES STANDONIAL DECIDATIONS 19 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19  | 2 Y - T S K  | 5PC<br>022 | Um  |     | 25 | U 40 | U . | 8 02       |           |
| 143-50 07 000 080 8 171 000 17 | DO YOU WORK WITH SHUNT HARTLEY STAUSOLDAL OSCILLATION      | -          | 6.  | 13  |    |      |     | <b>a</b> 0 |           |
| 11-10 00 100 400K 11TH 0ULTI 194 100K 17 EACH 100K 5 5 7 11 11 10 11 20 11 21 21 21 21 21 21 21 21 21 21 21 21   | 43-24 DO YOU MORK MITH COLPITTS SINUSDIDAL OSCILLATORS     | 0          | 9!  | 1,1 |    |      |     | 0          |           |
| ######################################   | H3-25 DO YOU MORK MITH CLAPP SINUS                         | •          | s   | ,   |    |      |     | 0          |           |
| 11-01   00   00   00   00   00   00  | H3-26 DO TOU HORK WITH BUTLER SINU                         | æ ;        | •   | 1   |    |      |     | 2          |           |
|  | מבינו ידוספי אונא אונא ספאיד אבעב                          | •          | .,  | 87  |    |      |     |            |           |
| 11-20   DO YOU LISPECT MARE GENERATING ON SHAPING   29 29 28 39 30 30 30 34 42 42 42 42 42 42 42 42 42 42 42 42 42   | 11-01 DG YOU HORK WITH HULTIVIBRATORS IN YOUR PRESENT JO   | 3.8        | 0,  |     | -  |      |     | 1          |           |
| CHICLOTTS  OF THE CHARLE WAYE GENERATING ON SHAPING  CHICLOTTS  CHICLISTS  CH | 11-02 DO YOU INSPECT MAVE GENERATING OR SHAPING            | 29         | 32  |     | •  |      | 0   | 7          |           |
|  | 11-03 DO YOU ALIGN OF ADJUST WAVE GENERATING OR            | 50         | 5.6 |     |    |      | 0   | 7          |           |
| CHECKETS   CHECKETING ON SHAPING   27 23 39 29 0 22 47   | 11-04 DO YOU CALIBRATE MAVE GENERATING OR SMAPING CIRCUIT  | 12         | 11  | 80  | 7  | 5+   |     |            |           |
| CHECUIS  CIRCUIT COMPONENTS  CIRCUIT COMPONENTS  CIRCUIT COMPONENTS  CIRCUIT COMPONENTS  SHAPING CIRCUIT  SHAPING CIRCUIT  SHAPING CIRCUIT  SHAPING CIRCUIT  SHAPING CIRCUIT  SHAPING CIRCUIT  SHAPING CIRCUITS  S | 11-05 DO YOU TROUBLESHOOT TO MAVE GENERATING OR SHAPING    | 27         | 27  | 23  |    | 53   |     |            |           |
|  | CIRCUITS   | :          | :   |     | ;  |      |     |            |           |
|  | CIRCUIT COMPONENTS   | :          | 2   | 0   | ,, | 0    |     |            |           |
| SCHEPING CORPUTES  SCHEPING CORPUTES  SCHEPING CORPUTES  COMPONENTS  COMPONENT | OH REPLACE COMPLETE MAVE GENERATING O                      | 5.5        | 3.8 | 54  | 2  |      | 0   |            |           |
|  | SHAPING CIRCUITS   | 3          | a   | -   |    | 7.   |     |            |           |
|  | COMPONENTS   |            | •   | 2   | D  |      |     |            |           |
|  | 11-09 DO YOU NORK MITH HULTIVIBRATORS SHICH CONTAIN LC TA  | 9 7        |     |     | 52 | _    | 0   | ,          |           |
|  | CIRCUITS CIRCUITS CIRCUITS CIRCUITS                        | 20         | 1.3 | 1.3 | 11 | 20   |     |            |           |
|  | NETRORAS   | :          |     | :   |    | 2    |     |            |           |
|  | 11-11 DO YOU MORK MITH MULTIVIBRATORS WHICH CONTAIL        | <b>6</b> 0 |     | 1.7 | 2  | 1.2  |     | 4C         |           |
|  | 11-12 DO YOU WORK WITH HULTIVIBHATORS WHICH CONTAIN        | •          | 52  | 51  |    | =    |     | 2          |           |
|  | REHEMBER AHICH TYPE OF FDO                                 |            |     |     |    |      |     |            |           |
|  | TOTAL TOTAL STORY TITLE BOLDEN TOTAL                       | 22         | 77  | 0 0 |    |      | 0 0 |            |           |
|  | 11-15 00 YOU WORK #17H BISTABLE MU                         | 54         | 22  | 6.1 |    | 5.0  |     |            |           |
| The state of the   | II-10 DO YOU MORK FITH CON-T REMEMBER                      | 2          | 7.  | 5   |    | =    |     |            |           |
| PRESENT JOB  | DO YOU WORK WITH LIMITERS OR CLAMPERS IN YOU               | 15         | 50  | 26  |    |      |     | 3 5        |           |
|  | PRESENT JOB  |            |     |     |    |      |     |            |           |
| 12-05 DO TOU WORK WITH SHOWN DIDDE LIMITERS 12-04 DO TOU WORK WITH SHOWN DIDDE LIMITERS 12-04 DO TOU WORK WITH TRANSISTOR LIMITERS 12-05 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF LIMITERS 12-06 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF LIMITERS 12-06 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF LIMITERS 12-06 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF CLAMPING 12-07 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF CLAMPING 13-07 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF CLAMPING 14-07 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF CLAMPING 15-07 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF CLAMPING 13-07 DO TOU WORK WITH DOW'T KNOW WHICH THE OF CLAMPING 13-07 DO TOU WORK WITH DOW'T KNOW WHICH THE OF CLAMPING 13-07 DO TOU WORK WITH DOW'T KNOW WHICH THE OF CLAMPING 13-07 DO TOU WORK WITH DOW'T KNOW WHICH THE OF CLAMPING 13-07 DO TOU WORK WITH DOW'T KNOW WHICH THE OF CONTINUE TO THE OF THE OFFICE THE | 12-02 DO YOU MORK WITH SERIES DIDDE LIMITER                | 90         | 0   | 5 . |    | 23   |     | 1          |           |
| 12-05 DO 700 MORK MITH ZENER CLORE LIMITERS 12-06 DO 700 MORK MITH TRANSISTOR LIMITERS 12-06 DO 700 WORK MITH TRANSISTOR LIMITERS 12-06 DO 700 WORK MITH DON'T KNOW WHICH TYPE OF LIMITERS 12-06 DO 700 WORK MITH DIDDE CLAMPING CIRCUITS 12-06 DO 700 WORK MITH DIDDE CLAMPING CIRCUITS 12-06 DO 700 WORK MITH DIDDE CLAMPING CIRCUITS 12-10 DO 700 WORK MITH DIDDE CLAMPING CIRCUITS 12-10 DO 700 WORK MITH DIDDE CLAMPING CIRCUITS 13-01 IN 7004 PRESENT JOB. DO 700 MORK ON EQUIPMENT WHICH ZS 21 Z4 31 S6 0 S7 S6 CONTAINS ECTERON FUNES  | בינים סט יסט פסאא אווא אוטאי סופטר                         | • •        | 2 0 | 2 - |    | • •  |     |            | CLIMITERS |
| 12-06 DO TOU WORK WITH TRANSISTOR LIMITERS 12-06 DO TOU WORK WITH DOW'T KNOW WHICH TYPE OF LIMITERS 12-06 DO TOU WORK WITH BASIC DIDDE CLAMPING CIRCUITS 12-06 DO TOU WORK WITH DIDDE CLAMPING CIRCUITS 12-07 DO TOU WORK WITH DIDDE CLAMPING CIRCUITS WITH BIAS 14 6 13 28 21 0 20 20 20 20 WORK WITH DOW'T KNOW WHICH TYPE OF CLAMPING 16 19 19 19 23 0 22 CIRCUIT 13-01 IN TOUR PRESENT JOBS, DO TOU WORK ON EQUIPMENT WHICH 25 21 29 31 56 0 57 CONTINUE CIRCUITS WITH DOW'T KNOW WORK OF THE THE WORK ON EQUIPMENT WHICH 25 21 29 31 56 0 57 CONTINUE CIRCUITS WITH DIDBE TO THE THE WORK ON EQUIPMENT WHICH 25 21 29 31 56 0 57 CONTINUE CIRCUITS WITH CONTINUE CIRCUITS WITH  | 12-05 DO YOU WORK WITH ZENER PLOD                          | 2.5        | 2 - | 1 4 |    |      |     |            |           |
| 12-07 DO TOU MORK WITH DOW-T KNOW WHICH TYPE OF LIMITERS 14 21 11 15 17 0 16 12-09 DO TOU WORK WITH BASIC DIDDE CLAMPING CIRCUITS 16 6 13 28 21 0 16 16 17-09 DO TOU WORK WITH DIDDE CLAMPING CIRCUITS WITH BASIC DIDDE CLAMPING CIRCUITS WITH BASIC DIDDE CLAMPING 16 19 19 19 23 0 22 12 1 20 10 10 10 10 10 10 10 10 10 10 10 10 10   | 12-06 DG YOU MORK MITH TRANSISTOR                          | ::         | : 0 | 2 . |    | 9 0  |     |            |           |
| 12-08 DD 70U WCRK MITH BASIC DIDDE CLAMPING CIRCUITS 16 6 13 28 21 0 16 12-09 DD 70U WGRK MITH DIDDE CLAMPING CIRCUITS WITH BIAS 19 6 11 25 24 0 20 12-109 DD 70U WGRK MITH DON'T KNOM WHICH TYPE DF CLAMPING 16 19 14 19 23 0 22 12-10-10 IN YOUR PRESENT JOB. DO 70U WGRK OM EQUIPMENT WHICH 25 21 24 31 54 0 57 CONTAINS ELECTRON TUBES   | 12-07 DO TOU HORK WITH DON'T KNOW WHICH TYPE OF            | *          | 12  | =   |    | 1.1  |     |            |           |
| 12=09 DO 700 WORK WITH DIDDE CLAMPING CIRCUITS WITH BIAS 19 6 11 25 29 0 20 12=15 DO 700 WORK WITH DON'T KNOW WHICH TYPE OF CLAMPING 16 19 19 19 23 0 22  CIRCUIT 13=51 IN TOUG PRESENT JOB. DO 700 MORK ON EQUIPMENT WHICH 25 21 29 31 56 0 57 13=51 IN TOUG PRESENT JOB. DO 700 MORK ON EQUIPMENT WHICH 25 21 29 31 56 0 57 13=20 NO 10 COURT SECTION THOSE  | 12-08 DO YOU WORK WITH BASIC DIDDE CLAMPING CIRCUIT        | 9          | •   |     |    | 2.1  |     |            |           |
| 12-10 00 YOU WORK WITH DON'T KNOW WHICH TYPE OF CLAMPING 16 19 19 19 23 0 22  CIRCULT  13-01 IN YOUR PRESENT JOB. DO YOU WORK ON EQUIPMENT WHICH 25 21 29 31 56 0 57  CONTAINS ELECTRON THOSES   | DO YOU WORK "ITH DIDDE CLAMPING CIRCUITS #17.              | •          | •   | =   | 1  | 54   |     |            |           |
| 13-01 IN TOUG PRESENT JOB. DO YOU MORK ON EQUIPMENT MAICH 25 21 24 31 54 0 57 5 CONTAINS ELECTRON TUBES  | T KNOW WHICH TYPE OF CLA                                   | :          | •   | •   |    | 23   |     |            |           |
| CONTAINS ELECTRON TUBES  | 5 13-51 IN YOUR PRESENT JOB. DO YOU MORK ON EQUIPMENT WHIC | 25         | 2.1 | ~   | _  |      |     | 2          |           |
|  | CONTAINS ELECTRON TUBES                                    | •          |     |     |    |      |     | •          |           |

PET HERS ANSWANG YES FOR 326X1 DAFSC GAPS

AF HUMAN RESQUECES LABORATORY AIR FORCE SYSTEMS COMMAND SPSHZA PAGE 24

|  |     |       |         | C SPC | SPC | SPC | SPC |
|--|-----|-------|---------|-------|-----|-----|-----|
| DY-15K   | 022 | 0 520 | 920 +20 |       |     | 028 | 020 |
| SE TUBE TESTERS TO CHECK ELECTRON TUBES  | •   | s     |         | -     |     | 6   | 10  |
| USE MULTIMETERS TO CHECK ELECTRON TUBES  | 2.1 | 0:    |         | 15 29 | 00  | 33  | 32  |
| SUBSTITUTION TO CHECK ELECTRON TUBES   | 20  | -     |         | 3     |     | 4.5 | 80  |
|  | •   | 13    |         | 2     |     | 54  | 3.0 |
| OR REFER TO PEAK INVERSE VOLTAGE RATING  | •   | ۰     | 7       | 3 6   |     | æ   | o   |
| OR REFER TO PEAK CURRENT RATING  | •   | •     | •       |       |     | 01  | o   |
| OR REFER TO TRANSIT TIME   | •   | s     | 7       |       |     | 7   | 0   |
| USE OR REFER TO PLATE DISSIPATION PATING   | 9   | 2     | 3       |       |     | 12  | 0   |
| OR REFER TO SATURATION   | æ   | =     | 1       | 9 21  |     | 5.  | 9   |
| RESIST,  | 'n  | æ     | •       | -     |     | *   | 0   |
| 0  | 0   | 0     | 0       | 0     | 0   | ~   | 0   |
|  | 1.7 | =     |         | ,     |     | 47  | 53  |
|  | 13  | =     |         | •     |     | 30  | 4.2 |
| TO WEEFR TO GRID VOLTAGE   | 1.1 | 13    |         | 3     |     | 45  | 5.3 |
|  | 1.3 | 13    |         | e     |     | 39  | 32  |
| DE VO  | 1.1 | •     |         | •     |     | 45  | 4.7 |
| DE CURRENT   | *   | *     | 1 21    | 17 36 | C   | 30  | 32  |
| RIODE AMPLIFICATION  | 7   | 7     |         |       |     | •   | -   |
| ACTUAL VALUES OF TRIDOE  | 0   | 0     | 0       | 0     | 0   | 2   | 0   |
| 0 3400.33  | •   |       | •       | 3     | •   |     | C   |
| IGNID (IEINODE: TENI   | ,   | •     | •       |       |     | 0   | •   |
| E OR REFER TO ELECTION TUBE TRANSCONDUCTANCE   | -   | 7     | -       | 0     | 0   | 0   | 0   |
| 13-25 DO YOU CALCULATE ACTUAL VALUES OF ELECTION TUBE                                  | 0   | 2     | 0       | 0     | 0   | 0   | 0   |
| TRANSCONDUCTANCES  | -   | -     | c       |       | 0   | c   | 0   |
| 3001 001 1313  |     |       | ,       |       |     | ,   |     |
| CCULATE ACTUAL VALUES OF AC PLATE  | -   | -     | 0       | 0     | 0   | 7   | 0   |
| USE OF PEFER TO ELECTRON TUBE INTERELECTRODE   | •   | 5     | ~       | 7     | 0   | •   | • - |
| TARRETTANCE OF REFER TO CHARACTERISTIC CURVES IN YOUR                                  | -   | 7     | 2       | -     | 0   | ٠   | o   |
| TOU USE CHARACTERISTIC CURVES TO SELECT PLATE  | -   | 7     | _       |       | 0   | 7   | 0   |
| VOLTAGE FOR A SPECIFIED BIAS<br>13-31 DO YOU USE CHAPACTERISTIC CURVES TO SELECT PLATE | -   | •     | -       |       | 0   | 7   | 0   |
| SPECIFIED BIAS  FE CHARACTERISTIC CUPVES TO SELECT BIAS                                | 2   | ~     | _       |       | 0   | •   | 0   |
|  |     |       | -       |       | c   |     | C   |
| 3115 507153 10 35556 918   |     | •     |         |       | )   | 0   |     |

PET MURS ANSWRING YES FOR 326X1 DAFSC GRPS

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND SPECIAL PURPOSE ELECTRON TUBES ELECTRON TUBE AMPLIFIERS AND CIRCUITS 0 = 0 • 21 77 8 8 3 7 32 = = SPC + 33 12 0 4 20 0 54 35 7 27 0 SPC 027 a 0 0 00 0 0 0 0 0 52 SPC 90 -53 0 37 23 0 26 GPSHZA PAGE SPC 5 0 22 0 00 0 2 30 • 1 5PC 7 ~ ~ -26 5 P C 0 O 20 • -# @ N 9 1 606 13-41 DO YOU USE OR REFER TO TUBE SOCKET NOTATION
1 606 13-42 DO YOU USE OR REFER TO PIN NUMPERING SYSTEMS
1 67 13-43 DO YOU USE OR REFER TO THE TYPE OF MATERIAL OR THE
1 608 13-44 DO YOU USE OR REFER TO TUBE SUBSTITUTION MATERIAL
2 609 13-44 DO YOU USE OR REFER TO TUBE SUBSTITUTION MATERIAL
2 609 01-01 DO YOU WORK MITH ELECTRON TUBE AMPLIFIERS OR CIRCUITS 50 0 AMPLIFIER GAIN
633 13-39 DO YOU USE CHARACTERISTIC CURVES TO DETERMINE
ELECTRON TUBE AMPLIFIER GAIN
604 13-40 DO YOU CALCULATE ANY ELECTRON TUBE CAPACITANCES SUCH J 610 J1-02 DO YOU DETERMINE THE CLASS OF OPERATION FOR ELECTRON
TUBE AMPLIFIERS IN ORDER TO TROUBLESHOOT AMPLIFIER
J 611 J1-03 DO YOU TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS
J 612 J1-04 DO TOU TROUBLESHOOT OR REPAIR PUSH-PULL AMPLIFIERS PONER TUBES
J 619 JZ-04 DO YOU TROUBLESHOOT OR REPAIR CIRCUITS IN WHICH BEAM
PONER TUBES ARE USED
J 620 JZ-05 DO YOU USE OR REFER TO THE CHARACTERISTICS OF 13-34 DG YOU USE OR REFER TO ELECTRON TUBE AMPLIFIER GAIN 13-35 DG YOU USE OR REFER TO ELECTRON TUBE AMPLIFIER 600 13-36 DO TOU USE TEST TUBE CHECKERS TO DETERMINE ELECTRON AMPLIFIER GAIN 602 13-38 DG YOU USE OSCILLOSCOPES TO DETERMINE ELECTRON TUBE TATRATRONS ARE USED

J 622 JZ-07 DG TOU USE OR REFER TO THE PRINCIPLES OF OPERATION

CLECTRON GUNS OF CATHODE-RAY TUBES (RRT)

623 JZ-09 DG TOU USE OR REFER TO THE PRINCIPLES OF OPERATION

ELECTROMAGNETIC DEFLECTION SYSTEMS OF CATHODE-RAY TUBES J 615 JI-07 50 TOU TROUBLESHOOT OR REPAIR CONT KNOW WHICH TYPE J 617 JZ-02 DC TOU WORK WITH CATHODE-HAY TUBES J 618 JZ-03 DO TOU USE OR REFER TO THE CHARACTERISTICS OF BEAM TUBE AMPLIFIER GAIN 601 13-37 DC TOU USE MULTIMETERS TO DETERMINE ELECTRON TUBE 613 JI-05 DO YOU TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED AMPLIFIERS
J 614 JI-06 DO YOU TROUBLESHOOT OR REPAIR CASCADE-CONNECTED U 621 J2-06 30 TOU TROUBLESHOOT OR REPAIR CIRCUITS IN WHICH J SIG J2-31 DO YOU WORK WITH GAS TUBES (HOT CATHODE OF COLD 07-TSK PASK GROUP SUMMANY AS INPUT CAPACITANCE IN TOUR PRESENT JOB EFFICIENCY SKONLTHONS CATADE 665

GPSHZA PAGE

AIR FORCE SYSTEMS COMMAND HETERODYNING, MODULATION, AND DEMODULATION AM SYSTEMS 2000 533 63 47 + 5.8 53 32 2 500 = SPC 7 8 800 25 200 55 55 49 -AF 00000000 000000000 0 00000 5PC 027 00000 0 0 0 200 00 0 26 5 P C 59 26 24 3 4 4 4 4 4 71 23 69 29 52 23 20000 52 5 PC 0,00 3 4 5 13 32 20 000000 . 5PC 0000 9 4 9 1.8 52 21 21 0 -1 0 • = 5 PC 90-13 38 9 5 • . 0 0 000 = \* 2 ~ 7 0 35 9 = 9 223 50 1 8 200 - 20 -00 - 1 0 T T M 18 CASS KI-02 DO YOU INSPECT AN TRANSHIT OR RECEIVE SYSTEMS CONTOUR TO YOU CLEAN AN TRANSHIT OR RECEIVE SYSTEMS CONTOUR TO YOU ALIGN ON ADJUST AN TRANSHIT OR RECEIVE SYSTEMS CONTOUR TROUBLESHOOT TO AN TRANSHIT OR RECEIVE SYSTEMS CONTOUR CONTOUR TRANSHIT OR RECEIVE SYSTEMS CONTOUR TROUBLESHOOT TO AN TRANSHIT OR RECEIVE 646 KI=09 00 700 PERFORM TASKS ON RE AMPLIFIERS
648 KI=11 00 700 PERFORM TASKS ON RE AMPLIFIERS
648 KI=11 00 700 PERFORM TASKS ON POWER AMPLIFIERS
650 KI=13 00 700 PERFORM TASKS ON POWER AMPLIFIERS
651 KI=13 00 700 PERFORM TASKS ON LE AMPLIFIERS
653 KI=15 00 700 PERFORM TASKS ON DETECTORS
653 KI=16 00 700 PERFORM TASKS ON DETECTORS
653 KI=16 00 700 PERFORM TASKS ON DON'T REMEMBER WHICH AM STAGE
654 KI=17 00 700 USE OR HEFER TO AMPLITUDE STABILIZATION IN YOUR 6 LECTROSTATIC DEFLECTION SYSTEMS OF CATMODE—MAY TUBES OF TO BY DO YOU USE ON MEFER TO AQUADAG COATINGS OF THE TO ACCORD OF TOWN OSE ON MEFER TO PERSISTENCE OF TOWN USE ON MEFER TO PERSISTENCE 633 J3-02 DG TOU PERFORM TASKS ON FREQUENCY CONVERTERS
634 J3-03 DG TOU PERFORM TASKS ON FREQUENCY MIXERS
635 J3-04 DG TOU USE OR REFER TO THE METEROPYNING OF SIGNALS
636 J3-04 DG TOU PERFORM TASKS ON REACTAPEE MODULATORS
636 J3-05 DG TOU PERFORM TASKS ON MODULATER DGSTLLATORS TO SENSITIVITY OF RECEIVERS
TO SELECTIVITY OF RECEIVERS
TO DAY HARMONIC DISTORTION
TO SHOPPASS DISTORTION
TO SQUARE LAW DISTORTION 544 KI-07 DO TOU REMOVE OR REPLACE AM TRANSMIT OF RECEIVE SYSTEMS SYSTEMS OR REPLACE AM TRANSMIT OF RECEIVE TO FREQUENCY STABILIZATION HOLE ON REFER TO PHOSPHORESCENCE YOU MONK ON AN TRANSMIT OR RECEIVE SYSTEMS REFER TO FLUORESCENCE PET MBRS ANSWANG YES FOR 326X1 DAFSC GRPS REFER 83438 # E F E B 8343c FASK GROUP SUMALITY
PERCENT MEMBERS PERFORMING 0 # \* # T # 356 55 C C SE TRANSHITTERS 655 KI-16 00 70U C COMPONENTS OMPONENTS PRESENT K1-20 00 27-13 638 KI-01 31-26 12-13 85° 633 635 635 \$24 7

|  |            | ,        |          | 100              |                |          |              | 200 200 200 200 200 |
|--|------------|----------|----------|------------------|----------------|----------|--------------|---------------------|
| TASK GROUP SUMMARY<br>PERCENT MEMBERS PERFORMING   |            |          |          |                  |                |          |              |                     |
| DY-15K   | SPC<br>022 | SPC 5    | SPC S    | SPC SP<br>025 02 | C SPC<br>6 027 | SP<br>02 | SPC<br>8 029 |                     |
| KI-24 DO YOU USE OR REFER TO CO-CHANNEL INTERFERENCE   | 90         | ٦        | •        | s                | 3              | 2        |              |                     |
| S DO YOU USE O   | ~~         | 00       | •        | 12 2             |                | 0 0      | 37           |                     |
| IMAGE RELECTION AND CONTRACT OF THE CONTRACT O | 2.5        |          |          |                  |                | •        |              |                     |
| NT PATHS THROUGH A   |            | . =      |          |                  |                | • •      | •            |                     |
| SASTER SYSTEMS IN TRACES OF RECEIVE SYSTEMS IN   | 24         | 29       | 22       | 25 3             | 37 50          | 3        | 5 16         |                     |
| YOUR PRESENT LOS   |            |          |          |                  |                | ,        |              |                     |
| TOTAL  |            | -1       |          |                  | 7 0            |          |              |                     |
| K2-04 OO YOU ALIEN EN TRANSMIT OR RECE   | 2.5        | 25       |          | 25 3             |                | *        |              | FM SYSTEMS          |
| K2-05 DO YOU TROUBLESHOOT TO FH TRANSHIT O   | 6-         | 52       | 2        | 22 3             | _              | 50 3     |              |                     |
| 671 KZ-SECTO TOU TROUBLESHOOT TO FM TRANSMIT ON RECEIVE  | 9.         | *        | <i>*</i> | 21 2             | 1              | •        | 11 5         |                     |
| 672 KZ-CA DO YOU NEHOVE OR REPLACE FM TRANSMIT OR RECEIVE  | 9 1        | 52       | 16       | 1.8              | 30 5           | 0 37     |              |                     |
| J REHOVE OR REPLACE FM T   | 1 5        | 1.1      | *        | 15 3             | c              | . 0      | 111 6        |                     |
| TASKS OF AUDIO   | 13         | 1.7      | -        |                  |                |          | -            |                     |
| KZ-10 DO TOU PERFORM TASKS ON FREGU  | 2          | <u>*</u> | 2        | •                |                | 0 35     | 2            |                     |
| TASKS  | 51         | 1.1      | 61       |                  |                |          | =            |                     |
| 678 K2-13 DO YOU PERFORM TASKS ON POMER AMPLIFIERS   | 9 60       | 22       | 25       | 19 3             |                | ~ ~      | ==           |                     |
| KZ-14 DO YOU PERFORM TASKS ON FREQUE   | -          | 6        | 2        | •                |                | •        | -            |                     |
| D KZ-15 DO TOU PERFORM TASKS ON IF AMP   | 17         | 22       | 15       |                  | _              |          | -            |                     |
| ON LIMITERS  | 2 =        | ==       | - 2      | 15 2             | 7 50           | ~ ~      | 3 - 1        |                     |
| OR CURRENT P   | 6.         | 2.2      | 1.1      | 21 3             | _              | •        | -            |                     |
| F CURRENT  | 9          | 12       | 9 -      | 20               | 30             | 0        |              |                     |
| 685 KJ-DI DO YOU CONVERT DECIMAL (BASE 16) NUMBERS TO OCTAL  | 1.5        | •        | =        | 0                |                | 0        | 9            |                     |
| CBASE B1 NUMBERS   |            |          | ,        |                  |                |          | 1            |                     |
| K3-02 DO TOU CONVENT DECIMAL NUMBERS TO NUMBERS  | 2          | •        | 27       | 30 2             | ,              | ~        | 7 32         | NUMBERING           |
| KI-DI DO TOU CONVERT OCTAL NUMBERS TO  | 2 :        | •        | 2 :      | 5                |                |          |              | SYSTEMS             |
| KI-04 DO TOU CONVERT OCTAL NUMBERS TO B  |            |          | 13       | 1                |                |          |              |                     |
|  |            |          | 9 .      | 1 2 1 1          |                |          | 35 8         |                     |
| 43-07 50 YOU ADO BINA  | 7.         |          | 23       | 22 22            | -              | 2        |              |                     |
| CARRY METHOD   | •          | •        | 01       |                  | •              |          | 0            |                     |
| CASA A MADE DO YOU SUSTAINS A STAR YOURSEN CONTRA THE DIRECT   | •          |          | 15       | 1 91             | 0              | 0        | 11 0         |                     |

| GPSHZA PAGE 28 AIR FORCE SYSTEMS COMMAND |  | SPC SPC SPC SPC SPC SPC 023 024 025 026 027 028 029 |                                     | 39 47 36 50 33 4 | 13 17 15 10 0 12 5  | 13 17 15 10 0 12 5 10GIC FINCTIONS                                    | 13 17 15 10 0 12 6 |               | 25 26 28 20 0 18 26                                   | 27 26 27 20 0 18 26 | 2* 25 27 20 0 18 26  | 29 24 25 19 0 18 21 | 5 38 41 33 50 33                  | 35 38 41 33 50 33 32<br>35 38 40 33 50 33 32         | 35 36 38 29 50 29 26     | 6 11 15 13 G 10 21   | 2 7 5 6 0 8 0 | 3 3 0 4 0 BOOMERN  | 13 6 4 3 0 4 0 EQUATIONS   | 16 22 24 21 C 22 21<br>11 9 9 6 0 6 0 |                                 | 16 9 14 7 0 8 5               | 12 18 19 0 18 2 | 9 14 7 0 8<br>12 18 19 0 18 2<br>5 10 7 0 4 1  | 9 14 7 0 8<br>12 18 19 0 18 2<br>5 10 7 0 4 1<br>23 29 27 50 29 2              | 6 9 14 7 0 6<br>8 12 18 19 0 18 2<br>6 5 10 7 0 4 1<br>2 23 29 27 50 29 2   |
|--|--|---|-------------------------------------|------------------|---|---|--------------------|---------------|---|---------------------|--|---------------------|-----------------------------------|--|--------------------------|--|---------------|--------------------|--|---------------------------------------|---------------------------------|-------------------------------|-----------------|--|--|---|
| ANSWANG TES FOR 326x1 DAFSC GRPS         | TASK GAOUP SUNHARY<br>PERCENT HEMBERS PERFORMING | SPC<br>0Y-TSK 022                                   | A TOO OCTAN DELLEASED TO GET A SULL | O YOU PERFOR     | MELATING TO LOGIC FUNCTIONS 696 LI-02 DO YOU CONSTRUCT TRUTH TABLES FOR AND LOGIC SYMBOLS | OF GATES 697 LI-03 DO YOU CONSTRUCT TRUTH TABLES FOR OR LOGIC SYMBOLS | OR GATES           | FOR EXCLUSIVE | LI-06 TO TOUSE OR REFER TO TRUTH TABLES FOR AND LOGIC |                     | STHROLS ON GATES  AT-GO FOR USE OF REFER TO TRUTH TABLES FOR AND OR OR LOGIC STHROLS WITH STATE INCICATORS |                     | USE OH REFER TO LOGIC STHBOLS FOR | LI-11 DO YOU USE ON HEFEN TO LOGIC SYNBOLS FON GATES | USE OR REFFR TO LOGIC ST | CHORIES  CHO | PECT COUPLED  | IC (DETL) CIRCUITS | CALL CIRCUITS  (2-5-5-00) FOU SPAR LOGIC DIASYAMS FROM GIVEN ROOLEAN | 2 3                                   | ROUBLESHOOTING DIGITAL CIRCUITS | YOU ANALYZE LOGIC CIRCUITS BY | 3018 50         | OGIC CIRCUITS BY USING BO<br>FER TO LOGIC SYMBOLS FOR<br>GIC (OCTL) CIRCUIT GATES<br>FER TO TRUTH TABLES FOR C | USING BOCLEAN SOLS FOR DIRECT IT GATES LES FOR CURRENT HOD GRAMS CONSISTING OF | OGIC CIRCUITS BY USING BOOLEAN FER TO LOGIC STHEOLS FOR DIRECT GIC (DCTL) CIRCUIT GATES FER TO TRUTH TABLES FOR CURRENT HOD FER TO LOGIC DIAGRAMS CONSISTING OF |

| 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0  |   |     |     |     | ,          |     |      |          |
|--|---|-----|-----|-----|------------|-----|------|----------|
| PARALLEL FULL ADDER 11 11 11 13 13 0 10 21  FUNNING)  FUNNING FULLY IRRATORS  FUNNING FULLY FUNNING ATORS  FUNNING FULLY FUNNING FULLY  FUNNING FULLY FULLY FUNNING FULLY  FUNNING FULLY FULLY FUNNING FULLY  FUNNING FULLY FULLY FULLY  FUNNING FULLY FULLY FULLY  FUNNING FULLY FULLY FULLY FULLY  FUNNING FULLY FULLY FULLY FULLY  FUNNING FULLY | GROUP SUMMANY<br>T MEMBERS PERFORMING                       |     |     |     |            |     |      |          |
| ### PARALLEL FULL ADDER  | DY-15K  |     |     |     |            |     |      |          |
| FUNDING     | DO YOU TRACE DATA FLOW THROUGH PARALLEL FULL ACDE           | =   | 1.1 | =   | 13         | 13  |      |          |
| FELDP  HULTIVIBRATORS  | DIAGRAMS DO YOU WORK ALTH ASTABLE FREE RUNNING!             | 20  | 6.  | 61  | 22         | 21  |      |          |
| FE-SHOT  |   |     | 3.6 |     | 3.6        | 3.4 |      |          |
| DE MULTIVIBRATOR  22 22 21 25 20 0 22 16  DE CIRCUIT DIAGRAMS  21 17 21 25 21 0 22 21  DE TRUTH TABLES  NTED FLIPFLOP  NTING FLIP-FLOP LOGIC  13 14 16 13 15 13 0 12 16  NTING FLIP-FLOP  COMPLEMENTING FLIP-  15 19 13 18 14 0 14 16  COMPLEMENTING FLIP-  15 19 13 18 14 0 14 16  COMPLEMENTING FLIP-  15 19 13 18 14 0 14 16  CONPLEMENTING FLIP-  15 19 13 18 14 0 14 16  CONPLEMENTING FLIP-  15 19 13 18 14 0 14 16  CONPLEMENTING FLIP-  15 19 13 18 14 0 14 16  NTING FLIP-FLOP  CONPLEMENTING FLIP-  15 19 13 18 14 0 14 16  NTING FLIP-FLOP  CONPLEMENTING FLIP-  15 19 13 18 14 0 14 16  NTERS  NTERS  CONFLEMENTING FLIP-  15 19 13 18 14 0 14 16  NTERS  CONFLEMENTING FLIP-  15 19 13 18 14 0 14 16  NTERS  CONFLEMENTING FLIP-  15 19 13 18 14 0 14 16  NTERS  CONFLEMENTING FLIP-  15 19 13 18 14 0 14 16  NTERS  CONFLEMENTING FLIP-  16 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  16 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  16 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  16 17 19 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  17 19 17 19 10 0 0 0 10 10  NTERS  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 17 19 27 20 50 16 20  CONFLEMENTING FLIP-  18 10 10 10 10 10 10 10 10 10 10 10 10 10   | MONOSTABLE (VLITCHLOT) HOLLINGSTABLE (ONE-SHOT)             | 22  | 6   | 22  | 52         | 26  |      |          |
| HOLTIVIBRATOR  |   |     |     |     |            |     |      |          |
| P CIRCUIT DIAGRAMS  P CIRCUIT DIAGRAMS  P CIRCUIT DIAGRAMS  P CIRCUIT DIAGRAMS  P TRUTH TABLES  NTED FLIP-FLOP  NTING FLIP-FLOP  S OF LOGIC CIRCUITS  COMPLEMENTING FLIP-FLOP  OR J-K FLIP-FLOP  OR J-K FLIP-FLOP  S OF SON TERS  NTERS   | OR REFER TO FLIP-FLOP                                       | 23  | 22  | 7.1 | 52         | 20  |      |          |
| DP CIRCUIT DIAGRAMS  21 17 21 25 21 0 22 21  NUTED FLIP-FLOP  S OF LOGIC CIRCUITS  COMPLEMENTING FLIP-FLOP  OR J-K FLIP-FLOP  S OF SON TERS  COMPLEMENTING FLIP-FLOP  S OF SON TERS   | TOU USE OR PEFER TO SINGLE-SHOT MULTIVIBRATO                | 1.2 | 6.  | 21  | 54         | 20  |      |          |
| NTING FLIP-FLOP  S OF LOGIC CIRCUITS  COMPLEMENTED FLIP-FLOP  OR J-K FLIP-FLOP  OR J-K FLIP-FLOP  OR J-K FLIP-FLOP  OR J-K FLIP-FLOP  S OF J-K   | TOU USE ON REFER TO FLIP-FLOP CIRCUIT DIAGRAM               | 21  | 1.  | 21  | 52         | 21  |      |          |
| NTING FLIP-FLOP LOGIC  13 14 12 17 13 0 12 16  COMPLEMENTED FLIP-FLOP  COMPLEMENTING FLIP-FLOP  OR J-K FLIP-FLOP  OR J-K FLIP-FLOP  OR J-K FLIP-FLOP  S  | TOU USE OR REFER TO FLIP-FLOR                               | = = | 0 7 | 13  | ٠ <u>٠</u> |     |      |          |
| S OF LOGIC CIRCUITS  COMPLEMENTED FLIP-FLOP  OR J-K FLIP-FLOP  S OF J-K FLIP-FLOP  OR J-K FLIP-FLOP  S OF J-K FLIP-FLOP  OR J-K FLIP-FLOP  S OF J-K  | SYMBOLS   |     |     |     |            |     |      |          |
| COMPLEMENTED FLIP—FLOP 16 19 14 17 14 0 14 16 00 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19  | UH HEFER TO COMPLEMENTING FLIP-FLOP LOGI                    | 13  | *   | 1.2 | 1.1        |     |      |          |
| COMPLEMENTED FLIP-FLOP 16 19 14 17 14 0 14 16 19 17 14 0 14 16 0 19 14 17 14 0 14 16 19 14 17 14 0 14 16 19 14 17 14 0 14 16 19 14 17 14 17 19 18 18 18 18 18 18 18 18 18 18 18 18 18  | Tingel Clecult  | 2.3 | 22  | 2.1 | 2.6        |     | 0    |          |
| OR J-K FLIP-FLOP 5 6 5 4 7 0 14 16  OR J-K FLIP-FLOP 5 6 5 4 7 0 14 16  RS IN YOUR PRESENT JOB 36 33 33 46 41 100 31 63  FERS OUNTERS 26 19 24 26 38 27 100 20 37  NATERS 10 YOUNTERS 16 17 19 11 0 16 11  NATERS 17 10 11 10 16 11 10 16 11 10 16 11 10 10 10 11  NATERS 18 YOUNTERS 18 17 19 11 0 10 10 11  NATERS 18 YOUNTERS 18 17 19 11 0 10 10 11  NATERS 18 YOUNTERS 18 17 19 11 0 10 10 10 10 10  COUNTERS 18 YOUNTERS 18 17 19 11 0 10 10 20  COUNTERS 18 YOUNTERS 18 11 10 16 13 0 10 21  COUNTERS 18 YOUNTERS 18 11 10 16 13 0 10 21  COUNTERS 18 YOUNTERS 18 11 10 16 13 0 10 21  COUNTERS 18 YOUNTERS 18 11 10 16 13 0 10 21  COUNTERS 18 YOUNTERS 18 11 10 16 13 0 10 21  COUNTERS 18 YOUNTERS 18 11 17 10 0 6 21  COUNTERS 18 YOUNTERS 18 11 17 10 0 6 21   | OMPLEMENTED FLIP-FL   | 9   | 6   | =   | 1.1        |     | 0    |          |
| RS IN YOUR PRESENT JOB 36 33 33 46 41 170 31 63  FRS IN YOUR PRESENT JOB 36 33 33 46 41 170 31 63  FRS IN YOUR PRESENT JOB 26 27 26 36 27 100 20 37  ANTERS  COUNTERS  LOGIC DIAGRAMS OF 12 13 15 16 16 26  LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 21  LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 21  LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 21  LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 21  LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 21  LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 21  LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 21  LOGIC DIAGRAMS OF 12 10 10 16 11 0 6 21  | COMPLEMENTING FLIP  | 15  | 6-  | =   | 80         | *   |      |          |
| RS IN YOUR PRESENT JOB 35 33 34 46 41 170 31 63 74 12 12 13 13 14 13 13 13 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15  | SCHEMATIC DIAGRAMS<br>DO YOU CONSTRUCT TRUTH TABLES FOR J-X | 5   | ۰   | 'n  | ,          | ,   | 0    |          |
| Note   | SYMBOLS   |     |     |     |            |     |      |          |
| NATES  OUNTERS  OUNTERS  OUNTERS  OUNTERS  OUNTERS  OUNTERS  I   | DO YOU WORK WITH DIGITAL COUNTERS IN YOUR PRESENT           | 36  | 33  | 33  | 0 0        |     |      |          |
| COUNTERS  COUNTERS  COUNTERS  COUNTERS  COUNTERS  COUNTERS  IT 13 15 24 10 0 10 11  COUNTERS  IT 14 17 19 11 0 10 11  COUNTERS  IT 14 17 19 11 0 10 10  COUNTERS  IT 17 19 17 19 10 10 10  COUNTERS  IT 17 19 17 19 10 10 10  COUNTERS  COUNTERS  IT 17 19 17 19 10 10 10  COUNTERS  COUNTERS  IT 17 19 27 20 50 16 20  COUNTERS  COUNTERS  IT 17 19 27 20 50 16 20  COUNTERS  COUNTERS  IT 13 13 16 16 50 10 20  COUNTERS  COUNTERS  IT 13 13 16 16 50 10 20  COUNTERS  COUNTERS  IT 11 10 16 13 0 10 21  COUNTERS  COUNTERS  COUNTERS  IT 11 10 16 13 0 10 21  COUNTERS  COUNTERS  IT 11 10 16 13 0 10 21  COUNTERS  COUNTERS  IT 11 10 16 13 0 10 21  COUNTERS  COUNTERS  IT 11 10 16 13 0 10 21  COUNTERS  COUNTERS  IT 11 17 10 0 6 21  | SUCCESSION OF REPRESENTATION OF CO.                         | 50  | -   | 5 2 | 34         |     |      |          |
| COUNTERS  ATTERS  ATTE | DO YOU USE OR REFER TO SERIAL COUNTERS                      | 90  | 1.7 | • 1 | 5.4        |     | 20 1 |          |
| VATERS         OUNTERS         OUNTERS         TECT CIRCUITS         TECT CIRCUITS         18         TECT CIRCUITS         18         17         18         19         21         22         22         22         22         22         22         22         22         22         22         23         24         25         26         27         28         29         10         16         16         16         16         16         16         17         18         11         12         12         14         15         16         16         16         17         18         19         10         11         12         13         16   | DO YOU USE OR REFER TO PARALLEL COUNTER                     | -1  | =   | 15  | 54         |     | 0    | COUNTERS |
| TECT CINCUITS  THE TEC | DO YOU USE OF REFER TO PING COUN                            |     | 0 1 |     |            |     | 0 0  |          |
| SECRETARY   SECR   | TO YOU USE OF REFER TO COUNT DETECT                         |     |     | . 2 | 25         |     | 50 1 |          |
| S  | DO TOU USE OF REFER TO DOWN CLOCKS                          | 51  | 1.1 | 61  | 27         |     | 1 05 |          |
| LOGIC DIAGRAMS OF 14 13 13 18 16 50 10 2 FELOPS GARLEMENTING FLIFF LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 2 LOGIC DIAGRAMS OF 5 3 5 4 3 0 2 LOGIC DIAGRAMS OF 12 10 10 18 10 0 6 2  | DO YOU USE OF REFER TO UP CLOCKS                            | 22  | 22  | 20  | 9.7        |     | 20 1 |          |
| LOGIC DIAGRAMS OF 12 11 10 16 13 0 10 2 COMPLEMENTING FLIFT LOGIC DIAGRAMS OF 5 3 5 4 3 0 2 LOGIC DIAGRAMS OF 12 10 10 18 10 0 6 2   | DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS               | *   | 13  | 13  |            | 1   | 20   |          |
| CONFIGNE FRIPT   | OGIC DIAGRAMS   | 1.2 | :   | 01  | •          | 13  |      |          |
| LOGIC DIAGRAMS OF 5 3 5 4 3 0 2 LOGIC DIAGRAMS OF 12 10 10 18 10 0 6 2   | HAVING COMPLEMENTING FLIP                                   |     | •   | :   | :          | 9   |      |          |
| LOGIC DIAGRAMS OF 5 3 5 4 3 0 2  | ואאסטפא רספור סוארים  | •   | •   | :   | , ,        | 2   | ,    |          |
| 061C DIAGRAMS OF 12 10 10 18 10 0 6  | LOGIC DIAGRAMS  | 2   | •   | 2   | •          | -   | 0    |          |
|  | 2190  | 1.2 | 0   | 0   |            | 01  | 0    |          |
| STOR   | OF-COUNTERS FEEDING A PARALLEL STORAGE REGIS                | 4   | -   | =   | 3.5        | :   |      |          |

| PET MBRS ANSMRNG TES FOR 326X1 DAFSC GRPS  |             | 3          | GPSHZA     | 9 N G      | 30          |            | A          | AIR FORCE SYSTEMS COMMAND |
|--|-------------|------------|------------|------------|-------------|------------|------------|---------------------------|
| TASK GHOUP SUMMARY PERCENT MEMBERS PERFORMING  |             |            |            |            |             |            |            |                           |
| DY-15K   | 5 P C 0 2 2 | SPC<br>023 | SPC<br>024 | SPC<br>025 | 5 P C 0 2 6 | SPC<br>027 | 5PC<br>028 | 029<br>029                |
| 749 L3-17 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF   | -           | •          | 13         | 22         | 1           | 0          | 1.2        | 36                        |
| TERS THE BUNE BY COURT AND   | •           | =          | •          | 0          | •           | 0          | 4          | 91                        |
| OMPLEMENTED FLIP-FLOP  | . a         | : =        | 4          | . •        |             |            | , ,        | ហ                         |
| PULSES FOR SERIAL UP- OF DOWN-COUNTER  | , .         |            | , ,        |            |             |            |            |                           |
| PULSES FOR SERIAL UP-COUNTERS FEFFING A PARALLEL STORAGE   | ۰           | •          | o          | •          | •           | 5          | `          |                           |
| 4  | 00          | 00         | •          | =          | •           | 0          | *          |                           |
| PULSES FOR OTHER ITPLS OF COUNTERS 754 L3-22 DO YOU CONSTRUCT TRUTH TABLES FROM LOGIC DIAGRAMS OF                | 2           | ~          | ſ          | -          | -           | 0          | ~          | 0                         |
| DECADE COUNTERS<br>L3-23 DO YOU DETERMINE THE STATE OF EACH FLIP-FLOP IN RING                                    | 3           | 2          | ,          | ۳          | e           | 0          | 7          | 0                         |
| AND GATE N   | ٠           | œ          | æ          | 1.2        | =           | 0          | α          | 21                        |
| IN COUNT DETECT CIRCUITS TO INDICATE   |             |            | -          | -          | -           | -          | -          |                           |
| 757 MI-01 DO YOU MORK MITH SAMTOOTH MAVE GENERATORS  | 24          | 24         | 26         | 22         | 2.8         | 0          | 5 6 7      | 21                        |
| DO YOU WORK WITH PULSED OSCILLATOR   | 31          | 32         | -          | 8 2        | 39          | 0          | ÷          | 37 TIMING CIRCUITS        |
| FEEDBACK<br>MI-04 DO YOU MORK WITH PULSED OSCILLATORS WITHOUT  | 52          | 5.4        | 8.7        | 20         | 26          | 0          | 2.7        | 2.0                       |
| PRESENTIVE REPOSACK  | 32          | 35         | 32         | 30         | 7           | 0          | 47         | 37                        |
| 00 100 USE OF PEFFR TO HISE TIME   | 7.2         | 6.5        | 7.5        | 89         | 5 9         | 20         | 69         | 53                        |
| DO YOU USE ON REFER TO FALL OR F   | *           | 57         | 10         | 57         | 21          | 20         | 10         | 47                        |
| MINDS DO YOU USE ON REFER TO SMEEP TIME<br>MINDS DO YOU USE ON HEFER TO ELECTRICAL LENGTH OF SANTOOTH            | 0 T         | • ;        | 45         | 5.1        | 33          | 00         | 33         | 37                        |
| USE OR REFER TO PHYSICAL   | 4.7         | 4          | 4.7        | 0          | 37          | 3          |            | 2.6                       |
| USE ON HEFER TO LIVERS SLOP  | 3.8         | 35         | 36         | 7          | 23          | 0          | 2.7        | 32                        |
| TAS HILLS DO TOU USE OF REFER TO GATE LEVETH OF SAMTOOTH   | 38          | 35         | 3.6        | 3.8        | 34          | o          | 35         | 37                        |
| #AVEFORMS # # TOUR PRESENT # TOUR PRESENT  | 5.7         | 0.9        | 5.7        | 5.7        | 84          | 100        | 9.0        | 79                        |
| " 770 HZ-02 DO FOU PERFORM OPERATIONAL CHECKS MHILE USING SIGNAL   | œ<br>•      | \$         | ,<br>1     | 53         | - 7         | 100        | •          | 7.4                       |
| MCE SUCH AS  | 5.2         | 3.2        | 23         | 27         | 0           | 0          | ~<br>*     | 42 USE OF SIGNAL          |
| ADJUSTING, ALIGNING, OR CALIGNATING MHILE USING SIGNAL MASSONG DO YOU TROUBLESHOOT TO AN ASSEMBLY OR SUBASSEMBLY | 9.0         | 37         | 2.8        | 33         | 36          | 05         | 30         | 37 GENERATORS             |
| MILE JSING SIGNAL GENERATORS 773 42-75 DO YOU TROUBLESHOOT TO THE SHALLEST REPLACEAGLE                           | 13          | •          | 13         | S          | 54          | D          | 22         | 32                        |
| COMPONENT MHILE USING SIGNAL GENERATORS  |             |            |            |            |             |            |            |                           |
| 774 42-36 30 YOU USE AUDIO SINE-MAVE GENERATORS  | 5.6         | 5          | 5.6        | 33         | 9 9         | S<br>O     | 6.7        | • 3                       |

AIR FORCE SYSTEMS COMMAND MOTORS AND GENERATORS SPC 029 30 37 37 37 37 37 37 37 37 37 0 5 4 7 8 5 8 5 9 SPC 028 ÷ 0 67 = 35 4 5 6 @ 3 51 ¥ & 5 P C 100 00 00000000 0 000000 0 0 20 000000000 SPC 026 4 407070---59 68 9+ 0 4 0 0 0 0 = 2 GPSHZA PAGE SPC 025 32 4 4 355 5 PC 28 43 3 5 P C 32 4 4 6 000 000 S 5PC 30 4 4 90 8 5 7 6 3 #3-21 50 700 #04K MITH SPLIT-PHASE MOTORS
#3-22 50 700 #04K MITH SOME COMBINATION OF THE ABOVE MOTORS
#3-23 50 700 #04K MITH SOME COMBINATION OF THE ABOVE MOTORS
#3-24 50 700 #04K MITH SOME COMPLETE GENERATORS
#3-25 50 700 PEROVE OR REPLACE COMPLETE GENERATORS
#3-25 50 700 REMOVE OR REPLACE GENERATOR PARTS 13-61 IN TOUR PRESENT JOB: DU YOU PERFORM ANY TASKS DEALING WITH ALTERNATING CURRENT OR DIRECT CURRENT MOTORS OR 13-02 DO TOU INSPECT MOTORS HOTORS H2-07 DO TOU USE AUDIO NON-SINUSOIDAL MAYE GENERATORS SUCH AS SQUARE MAYE. TRIANGLE: PULSE. OR SPIKE H2-08 DO TOU USE RE GENERATORS LESS THAN 1.000 MH M2-09 DO TOU USE RE GENERATORS GREATER THAN 1.000 MH M2-10 DO TOU USE OTHER SPECIAL PURPOSE OR MULTI-FUNCTION 182 #3-54 DO YOU DELEATE MOTORS
183 #3-55 DO YOU REMOVE OR REPLACE COMPLETE MOTORS
184 #3-56 DO YOU REMOVE OR REPLACE MOTOR PARTS
185 #3-56 DO YOU REMOVE OR REPLACE MOTOR PARTS
186 #3-56 DO YOU PROPOLESHOOT SEAR AS CHECKING WIRE
187 #3-50 DO YOU PERFORM ANY TASKS ON ROTORS
188 #3-11 DO YOU PERFORM ANY TASKS ON ROTORS
189 #3-11 DO YOU PERFORM ANY TASKS ON ROTORS
189 #3-12 DO YOU PERFORM ANY TASKS ON ROTORS
189 #3-14 DO YOU PERFORM ANY TASKS ON COMMUTATORS
189 #3-14 DO YOU PERFORM ANY TASKS ON COMMUTATORS
189 #3-15 DO YOU PERFORM ANY TASKS ON COMMUTATORS
189 #3-16 DO YOU PERFORM ANY TASKS ON COMMUTATORS
189 #3-19 DO YOU PERFORM ANY TASKS ON COMMUTATORS
189 #3-19 DO YOU PERFORM ANY TASKS ON POLE PIECES
189 #3-19 DO YOU PERFORM ANY TASKS ON POLE PIECES 311 1 HE 6 795 M3-17 DO YOU DETERMINE OR HEASURE THE DIRECTION MECHANICAL FORCE OR TORQUE CREATED BY A MOTOR 796 M3-18 DO YOU DETERMINE OR MEASURE THE MAGMITUDE OR DIRECTION OF THE INDUCED VOLTAGE IN MOTORS #3-19 30 YOU WORK MITH SYNCHRONOUS MOTORS H3-20 DO YOU HORK WITH INDUCTION HOTORS CLEAN OR LUBRICATE MOTORS HARS ANSWARG YES FOR 326X1 DAFSC GRPS OR TORGUE CREATED BY A MOTOR PERCENT HEMBERS PERFORMING FORCE 43-02 #3-03 175 783 184 787 197 8032 192 785 88 189 199 79:

METER MOVEMENTS

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> > PERMANENT MAGNETS NINDS DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS

STICS SHINDE

910

4 808 41-01 DO TOU MORK MITH METERS IN YOUR PRESENT JOB N 809 NI-02 DO YOU CONCEPTUALIZE ON CONSIDER THE FUNCTIONS

527 H3-29 DO TOU TROUBLESHOOT DOWN TO COMPONENT PARTS #3-28 DO TOU TROUBLESHOOT AS FAR AS CHECKING WIRE

CONVECTIONS OF GENERATORS

SENE RATORS

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AIR FORCE SYSTEMS COMMAND SATURABLE REACTORS AND MAGNETIC AMPLIFIERS WAVESHAPING CIRCUITS = 0 0 0 42 32 21 7 2 4 4 7 ~ 5PC 028 Œ • ~ 0 0 α c 0 0 \* 2 5 6 Y E SPC 027 0 0 0 0 0 0 9 0 0 000 0 00 0 0 0 0 O 5PC 026 11 0 1 3 0 0 C C 0 - 30 GPSHZA PAGE 5PC 025 2 3 0 2.4 5P.C 9 # G # 98 57 5 SPC 023 S 0 • 339 S 0 C O 0 1 0 0 \* 0-0171 0 0 57 SATURABLE REACTORS

SET VEND TOU PEHOVE OF REPLACE MAGNETIC AMPLIFIER OF

SATURABLE REACTOR COMPONENTS

SATURABLE REACTOR COMPONENTS

RESERVED TOU USE OF PEFER TO HYSTERESIS CURVES OR LOPPS

WAS NEED TOU UNTEMPHET SCHEMATIC OF AND TO SEVEL POUTDUT

WAVEDOWS ACROSS REACTOR WINDINGS OF LOAD RESISTORS 328 "Z-11 DC YOU INTERPRET SCHEMETIC DRANINGS TO DEVELOP DUTPUT MAVEROUNS FOR MAGNETIC AMPLIFIERS BOHC FITH MAVES MAPING CIPCUITS IN YOUR PRESENT BEACTORS
822 42-35 DG YOU TROUBLESHOOT MAGMETIC AMPLIFIERS OR SATURABLE OF PEFER TO TRANSIENT INTERVALS
OF PEFER TO FULSE WIDTH (PM)
OF PEFER TO FULSE RECURPENCE TIME (PRT) . 329 .2-12 30 YOU USE OF MEFER TO COERCIVE FORCE IN SATURABLE . a33 .2-16 DO TOU USE OF PEFER TO SATURABLE REACTOR SCHEMATIC 827 NZ-10 DU TOU MEESUME OUTPUT MANEFORMS ACROSS REACTOR MINDINGS OR LOAD RESISTORS OF SINGLE MINDING SATURABLE 0 1. 835 1.2-13 DO YOU USE OF PEFER TO RESIDUAL MAGNETISM IN SATURABLE REACTORS 1. 831 1.2-14 DO YOU USE ON REFER TO FLUX DENSITY IN SATURABLE " 523 42-36 DO YOU REHOVE OF PEPLACE HAGNETIC AMPLIFIERS OF 2-01 OO YOU WORK WITH SATURABLE REACTORS OR HAGNETIC AMPLIFIERS IN YOUR PRESENT JOB 4 519 42-02 DO YOU INSPECT MAGNETIC AMPLIFIERS OR SATURABLE YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS 42-04 09 YOU ADJUST HAGNETIC AMPLIFILMS OR SATURABLE +20 42-03 DO TOU CLEAN MAGNETIC AMPLIFIERS OR SATURABLE 4 432 42-15 DO YOU USE OR REFER TO POINT OF SATURATION IN 416 41-09 DO YOU EXTEND THE RANGE OF VOLTHETERS
817 41-10 DO YOU USE OR REFER TO VOLTHETER SENSITIVITY
(EXPRESSED IN UNITS OF OMBS PER VOLT) A BIZ NI-05 DO YOU READ METER SCALES
A BIZ NI-06 DO YOU EXTEND THE RANGE OF AMMETERS
A BIM NI-07 DO YOU ZERO OHMMETERS
A BIS VI-08 DO YOU ZERO AMMETERS PET MBRS AUSWANG YES FOR 326X1 DAFSE GAPS DY-15K PERCENT MEMBERS PERFORMING SATURABLE REACTORS USE USE SPIRAL SPRINGS , 635 ,3-02 00 70U , 636 ,3-03 00 70U , 937 ,3-04 00 70U REACTORS REACTORS SHOLDASH PEACTORS REACTORS 00

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND GPSHZA PAGE 33 PCT MBRS ANSWRNG YES FOR 326X1 DAFSC GRPS

|  | 0Y-15K   | SPC S | SPC S    | SPC 5 | SPC SPC<br>025 026 | S 0 | C SPC | 5PC<br>029 |                 |
|--|--|-------|----------|-------|--------------------|-----|-------|------------|-----------------|
| DOT TOU USE ON REFER TO DIFFERENTIATING CIRCUITS   DOT TOU USE OF THE CIRCUITS   DOT TOU CIRCUITS    | DO YOU USE ON REFER TO PULSE RECURRENCE          | 19    | 0.       | -     |                    | 3   | 0     | 7          |                 |
| March 1   March 2   Marc   | DO YOU USE OF REFER TO DIFFERENTIATING           | 32    | 30       |       | •                  |     |       |            |                 |
| ANTE 1711 & LOUGH WERE TO THE CLASSIFICATION OF THE CONSTANT 10 to 0 1 | DO YOU USE OR REFER TO INTEGRATING CIRC          | 0,    | 0 +      |       |                    |     |       |            |                 |
| ### ### ### ### ### ### ### ### ### ##   | DO TOU USE OR REFER TO THE CLASSIFICATION OF TI  | 53    | 50       |       |                    |     |       |            |                 |
| FERTIATIVE OF INTEGRATING BASES ON THE TIME CANSTANT   15   15   15   15   15   15   15   1  | DR SHORT   | 1     | ۰        | 60    | ,                  |     |       |            |                 |
| 10   10   10   10   10   10   10   10  | SED ON THE TIME C                                |       |          |       |                    |     |       |            |                 |
| DO TOU GRAKE OF STANSOLLE STORE   15   10   15   10   15   10   10   10  | YOU MORK MITH SQUARE WAVE G                      | 45    | 57       |       |                    | 1 5 | 0     |            |                 |
| 10   | DO YOU HORK MITH RECTANGULAR W                   | 35    | 38       |       |                    |     | 0     |            |                 |
| 12   10   14   17   18   18   18   18   18   18   18   | DO YOU MORK ON SINGLE SIDEBAND                   | 7     |          |       |                    |     |       |            |                 |
| 10   10   10   10   10   10   10   10  | NT JOB   |       |          | :     |                    |     |       |            |                 |
| DO TOU CLEAN SSB TRANSHIT OR RECEIVE STITEMS  DO TOU CLEAN SSB TRANSHIT OR RECEIVE STITEMS  DO TOU CLEAN SSB TRANSHIT OR RECEIVE STITEMS  DO TOU CLOWLESHOOT TO SSB TRANSHIT OR RECEIVE STITEMS  NIKENSS  DO TOU REHOVE OR REPLACE SSB TRANSHIT OR RECEIVE STITEMS  NIKENSS  DO TOU REHOVE OR REPLACE SSB TRANSHIT OR RECEIVE STITEMS  NIKENSS  NIKENSS  DO TOU REHOVE OR REPLACE SSB TRANSHIT OR RECEIVE STITEMS  NIKENSS  DO TOU REFORM TASKS ON SSB ALOLD AFFLITIEMS STITEMS  DO TOU PERFORM TASKS ON SSB ALCHILLERS  DO TOU PERFORM TASKS  | DO TOU INSPECT SSB TRANSHIT OR RECEIVE SYSTEM    | 2     | s ·      | = :   |                    |     |       | •          | SINGLE SIDEBAND |
| DO TOU ALIGN SSG TAANSHIT OR RECEIVE 11 5 11 14 50 0 51 58  NO TOU TROUBLESHOOT TO SSG TAANSHIT OR RECEIVE 10 5 10 14 46 0 45 53  NO TOU TROUBLESHOOT TO SSG TAANSHIT OR RECEIVE 10 5 10 14 46 0 45 53  NO TOU REHOVE OR REPLACE SSB TAANSHIT OR RECEIVE 10 5 10 14 46 0 47 47  NEWNS TO TOU PERFORM TASKS ON SSG AUDIO AMPLIFIERS 10 3 11 12 44 0 47 42  DO TOU PERFORM TASKS ON SSB ALANCED MODULATORS 6 3 7 12 34 0 33 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 3 7 12 34 0 33 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 3 7 12 34 0 34 2  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 33 0 39 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 4 10 30 0 43 42  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 6 2 3 9 11 12 44  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 9 11 12 44  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 9 11 10 0 10 11 11  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 9 11 10 0 10 43 11 12  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 9 11 10 0 10 43 11 12  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 9 11 10 0 10 11 11  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 9 11 10 0 10 11 11  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 9 11 10 0 10 11 11  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 9 11 10 0 10 11 11  DO TOU PERFORM TASKS ON SSB ACCAMICAL FILERS 7 | DO TOU CLEAN SSB TRANSMIT OR RECEIVE             | 0     | •        | 0     |                    |     |       | 9          | SYSTEMS         |
| 10   | DO YOU ALIGN SSB TRANSMIT OR RECEIVE SY          | 12    | <b>.</b> | 77    |                    |     |       | S          |                 |
| NEW TS   | DO TOU THOUBLESHOOT TO SSH TRANSHIT OR           | =     | s.       | =     |                    |     |       | \$         |                 |
| NEW TS.  10  | NS SO THE THE TOTAL TO SEE THE SALT OF RE        | 10    | s        | c     |                    | 1   |       | -          |                 |
| TOO TOU REHOVE OR REPLACE SSB TRANSMIT OR RECEIVE  | STAIN.   | :     |          | ,     |                    |     |       |            |                 |
| DO TOU PERFORM TASKS ON SSG AUDIO AMPLIFIERS   10 3 11 12 44 0 47  | TOU REMOVE OR REPLACE SSB TRANSMIT OR            | •     | J.       |       | ~                  |     |       |            |                 |
| DO TOU PERFORM TASKS ON SSB LANCED WODGLATORS  |  |       | u        |       |                    |     |       |            |                 |
| TOU PERFORM TASKS ON SSR AUDIO AMPLIFIERS  TOU PERFORM TASKS ON SSR AUDIO AMPLIFIERS  TOU PERFORM TASKS ON SSR ALANCED MODULATORS  TOU PERFORM TASKS ON SSR ALANCED MODULATORS  TOU PERFORM TASKS ON SSR ALANCED MODULATORS  TOU PERFORM TASKS ON SSR ALANCEL FILTERS  TOU PERFORM TASKS ON SSR ALANCEL FILTERS  TOU PERFORM TASKS ON SSR ALANCEL FILTERS  TOU PERFORM TASKS ON SSR AMPLIFIERS  TOU DESCRIPTION TASKS ON SSR AMPLIFIERS  TOUR TASKS ON SSR AMPLIFIERS  TOUR TASKS ON SSR AMPLIFIERS  TOUR TASKS ON SSR AMPLIFIERS  TO TOUR TASKS ON SSR AMPLIFIERS  TO TOUR TASKS ON TASK | TO REMOVE OR REPLACE SOB PRASHILL OF             | 2     | •        | 5     |                    |     |       |            |                 |
| TOU PERFORM TASKS ON 558 GARRIER OSCILLATORS  TOU PERFORM TASKS ON 558 CARRIER OSCILLATORS  TOU PERFORM TASKS ON 558 CARRIER OSCILLATORS  TOU PERFORM TASKS ON 558 CARRIER OSCILLATORS  TOU PERFORM TASKS ON 558 CARRIERS  TOU PERFORM TASKS ON 558 MECHANICAL FILTERS  TOU DERFORM TASKS ON 558 MECHANICAL FILTERS  TOU DERFORM TASKS ON 558 MECHANICAL FILTERS  TOU DEFERTIORY TASKS ON 558 MECHANICAL FILTERS  TOU USE OF REFER TO PREQUENCY STABILITY  TOU USE OF REFER TO PREQUENCY STABILITY  TOU USE ON THE FILTERS  TOUR TASKS ON SOME METER TO PREQUENCY STABILITY  TOUR TASKS ON THE FILTERS  TO TOUR TASKS ON THE FILTERS | DO YOU PEUFORM TASKS ON SER AUDIO                | 01    | ٩        |       |                    | l   |       |            |                 |
| 70U PERFORM TASKS ON SSB CARRIER OSCILLATORS 7 2 8 9 34 0 39 70U PERFORM TASKS ON SSB CCARRIER SELECTERS 8 2 8 10 37 0 39 70U PERFORM TASKS ON SSB CRYSTALF FILTERS 6 2 6 7 2 9 31 70U PERFORM TASKS ON SSB OSCILLATORS 9 3 9 11 39 0 41 70U PERFORM TASKS ON SSB OSCILLATORS 9 3 9 12 39 0 49 70U PERFORM TASKS ON SSB ORIVERS 8 9 3 9 11 39 0 49 70U PERFORM TASKS ON SSB ORIVERS AMPLIFIERS 10 3 11 12 44 0 47 70U PERFORM TASKS ON SSB ORIVERS MAPLIFIERS 10 3 11 12 44 0 47 70U PERFORM TASKS ON SSB FREQUENCY CONFERTERS 10 3 11 12 44 0 47 70U PERFORM TASKS ON SSB FREQUENCY CONFERTERS 10 3 11 12 44 0 47 70U PERFORM TASKS ON SSB FREQUENCY CONFERTERS 10 3 11 12 44 0 47 70U PERFORM TASKS ON SSB FREQUENCY CONFERTERS 10 3 11 12 44 0 47 70U PERFORM TASKS ON SSB FREQUENCY CONFERTERS 10 3 11 12 44 0 47 70U PERFORM TASKS ON SSB FREQUENCY CONFERTERS 10 3 11 12 44 0 47 70U PERFORM TASKS ON SSB FREQUENCY SSB WHICH SSB N SSB 15 44 0 0 41 70U PERFORM TASKS ON SSB CONFERTERS 10 3 11 12 44 0 0 41 70U PERFORM TASKS ON SSB CONFERTERS 10 3 11 12 44 0 0 41 70U PERFORM TASKS ON SSB CONFERTERS 10 3 11 12 44 0 0 41 70U PERFORM TASKS ON SSB CONFERTERS 10 3 11 12 44 0 0 41 70U PERFORM TASKS ON SSB CONFERTERS 10 10 3 11 12 44 0 0 41 70U PERFORM TASKS ON SSB CONFERTERS 10 10 3 11 12 44 0 0 41 70U PERFORM TASKS ON SSB CONFERTERS 10 10 10 10 10 10 10 10 10 10 10 10 10  | DO YOU PERFORM TASKS ON SAR BALANCED MODULATOR   | . 40  | . ~      |       |                    |     |       |            |                 |
| YOU PERFORM TASKS ON SSB LC FILTERS         8         2         8         10         35         0         35           YOU PERFORM TASKS ON SSB CRYSTAL FILTERS         6         2         8         10         35         0         31           YOU PERFORM TASKS ON SSB MECHANICAL FILTERS         9         2         9         2         9         1         2         0         31           YOU PERFORM TASKS ON SSB MECHANICAL FILTERS         9         2         9         2         9         2         9         1         39         0         41           YOU PERFORM TASKS ON SSB ME AMPLIFIERS         10         3         11         12         39         0         43           YOU PERFORM TASKS ON SSB ME AMPLIFIERS         10         3         11         12         49         0         43           YOU PERFORM TASKS ON SSB ME AMPLIFIERS         10         3         11         12         49         0         43           YOU PERFORM TASKS ON SSB DEMODULATORS         10         3         11         12         49         0         43           YOU PERFORM TASKS ON SSB DEMODULATORS         10         3         11         12         49         0         24  | DO YOU PERFORM TASKS ON SSR CARRIER OSCILLATOR   | 1     | 7        |       |                    |     |       | 2          |                 |
| DO YOU PERFORM TASKS ON 558 MECHANICAL FILTERS   | DO YOU PERFORM TASKS ON SSB LC FILTERS           | •     | ~        |       |                    |     |       |            |                 |
| DO YOU PERFORM TASKS ON SSB MECHANICAL FILTERS   | DO YOU PERFORM TASKS ON SSB                      | 1     | 7        |       |                    |     |       |            |                 |
| YOU PERFORM TASKS ON SSB OSCILLATORS  YOU PERFORM TASKS ON SSB MIXERS  YOU PERFORM TASKS ON SSB MIXERS  YOU PERFORM TASKS ON SSB MIXERS  YOU PERFORM TASKS ON SSB POWERERS  YOU PERFORM TASKS ON SSB PREGLECT CONVERTERS  YOU PERFORM TASKS ON SSB PREGLECT FREE MILCH SSB  YOU PERFORM TASKS ON SSB PREGLECT CONVERTERS  YOU USE OF REFER TO PERFORMER  YOU USE OF REFER TO PREGLENT STABLLITY  YOU USE OF REFER TO PREGLENT STABLLITY  YOU USE ON REFER TO RESOURCE FOR  | 4 DO YOU PERFORM TASKS ON SSB                    | •     | ~        |       |                    |     |       |            |                 |
| YOU PERFORM TASKS ON 558 MIXEMS  YOU PERFORM TASKS ON 558 DAIVERS  YOU PERFORM TASKS ON 558 DAIVERS  YOU PERFORM TASKS ON 558 FREQUENCY CONFERENCE  TOU PERFORM TASKS ON 558 DEMONDATORS  TOU DEM | DO YOU PERFORM TASKS ON SSR                      | •     | ~        |       |                    |     |       |            |                 |
| YOU PERFORM TASKS ON 558 URILERS  YOU PERFORM TASKS ON 558 POMER MPLIFIERS  YOU PERFORM TASKS ON 558 FREQUENCY CONVERTERS  YOU PERFORM TASKS ON 558 DEMODILATORS  YOU VEEF OR MEFER TO SELECTIVE FADING  YOU USE OR MEFER TO PERE Y PAMER  YOU USE OR MEFER TO REQUENCY STABILITY  YOU USE OR MEFER TO RESPONSE CURVES FOR TO THE TOWN TASKS ON 50 THE TOWN  | DO TOU PERFORM TASKS ON SSB                      | •     | ~        |       |                    |     |       |            |                 |
| YOU PERFORM TASKS ON SSB POMER AMPLIFIERS         10         3         11         12         44         0         47           YOU PERFORM TASKS ON SSB RE AMPLIFIERS         10         3         11         12         44         0         47           YOU PERFORM TASKS ON SSB REGORDULATORS         9         3         11         12         49         0         43           YOU PERFORM TASKS ON SSB DEMODULATORS         8         3         8         3         8         11         34         0         45           YOU PERFORM TASKS ON SSB DEMODULATORS         8         3         8         3         8         11         34         0         45           YOU PERFORM TASKS ON SSB DEMODULATORS         8         3         8         11         34         0         35           YOU PERFORM TASKS ON SSB DEMODULATORS         8         3         8         11         34         0         24           YOU PERFORM TASKS ON SSB DEMOTULATORS         8         3         8         11         3         2         0         24           YOU USE OF REFER TO SELECTIVE FADING         11         5         11         15         49         0         49           YOU USE OF REFER TO REQUENC  | DO YOU PERFORM TASKS ON 558                      | o     | •        |       |                    |     |       |            |                 |
| TOU PERFORM TASKS ON 558 RF AMPLIFIERS  TOU PERFORM TASKS ON 558 FREQUENCY CONVERTERS  TOU PERFORM TASKS ON 558 FREQUENCY CONVERTERS  TOU PERFORM TASKS ON 558 DEMANDER WHICH 558 N 5 8 11 12 43 0 35 N 700 PERFORM TASKS ON 558 DEMANDER WHICH 558 N 5 5 3 20 0 24 N 700 PERFORM TASKS ON 558 DEMANDER WHICH 558 N 5 5 3 20 0 24 N 700 USE OF REFER TO SELECTIVE FADING  TOU USE OF REFER TO REGUENCY STABILITY  TOU  | DO YOU PERFORM TASKS ON SSB                      | 0     | •        |       |                    |     |       |            |                 |
| TOU PERFORM TASKS ON SSB FREQUENCY CONVERTENS  TOU PERFORM TASKS ON SSB FREQUENCY CONVERTENS  TOU PERFORM TASKS ON SSB DEMOULATORS  TOU PERFORM TASKS ON SSB DEMOULATORS  TOU PERFORM TASKS ON SSB DEMOULATORS  TAGES  TOU DE TOUR TASKS ON SSB DEMOULATORS  TOU DE TOUR TASKS ON SSB DEMOULATORS  TOU DE TOUR TASKS ON SSB DEMOULATORS  TOU USE OR HERER TO SELECTIVE FADING  TOU USE OR REFER TO REQUENCY STABILITY  TOU USE OR REFER TO REQUENCY STABILITY  TOU USE OR REFER TO RESPONSE CURVES FOR   | DO TOU PERFORM TASKS ON SSB AF AMPLIFIERS        | 0     | ~        |       |                    |     |       |            |                 |
| TOU PERFORM TASKS ON 558 1F AMPLIFIERS  TOU PERFORM TASKS ON 558 DEMODULATORS  TOU PERFORM TASKS ON 558 DEMODULATORS  TOU PERFORM TASKS ON 558 DON'T REMEMBER WHICH 558  TOU DE FROM THE FERT ON 558 DON'T REMEMBER WHICH 558  TOU USE OR HEFER TO SELECTIVE FADING  TOU USE OR REFER TO PEAK PONER  TOU USE OR REFER TO REQUENCY STABILITY  TOU USE OR REFER TO RESPONSE CURVES FOR  | DOD TOU PERFORM TASKS ON SSB FREQUENCY CONVERTE  | •     | •        |       |                    |     |       |            |                 |
| TOU PERFORM TASKS ON 558 DEMODULATORS  TOU PERFORM TASKS ON 558 DEMOT MEMEMBER WHICH 558 A 5 8 11 34 0 35  TOU USE OF HERER TO SELECTIVE FADING  TOU USE OF HERER TO PEAK PONER  TOU USE OF HERER TO PREQUENCY STABILITY  TOU USE OF REFER TO REGUNACY | DO TOU PERFORM TASKS ON SSB !                    | 10    | _        | =     | . 21               |     |       |            |                 |
| TAGES TAGES TO PERFORM TASKS ON 558 DON'T WEMEMBER WHICH 558 4 5 5 3 20 0 24 TOWN USE ON HERER TO SELECTIVE FADING 10 3 0 3 3 10 0 10 TOWN USE ON HERER TO SELECTIVE FADING 11 5 11 15 49 0 49 TOWN USE ON REFER TO FREGUENCY STABILITY TOWN USE ON REFER TO REGUENCY STABILITY TOWN USE ON REFER TO REGNONSE CURVES FOR   | DO TOU PERFORM TASKS ON SSB DEMODULATORS         | •     | •        | 10    | -                  |     |       |            |                 |
| TAGES  TOU USE OF HERER TO SELECTIVE FADING  11 5 11 15 49 0 49  TOU USE OF REFER TO PEAK PONE  TOU USE OF REFER TO PREQUENCY STABILITY  TOU USE OR REFER TO RESPONSE CURVES FOR  TO USE OR REFER TO RESPONSE FOR TO USE OR REFER TO USE OR | DO TOU PERFORM TASKS ON SSB DON'T REMEMBER WHICH | •     | s        | 2     |                    |     |       |            |                 |
| TOU USE OF REFER TO SELECTIVE FACING 3 U 3 3 10 U 10 TOU USE OF REFER TO PEAK PONEW 11 5 11 15 49 0 49 TOU USE OF REFER TO REQUENCY STABLLITY 10 5 9 13 40 0 41 TOU USE OR REFER TO RESPONSE CURVES FOR 40 USE OR | M STAGES   |       |          |       |                    |     |       |            |                 |
| TOU USE OF REFER TO PEAK PONER  TOU USE OF REFER TO REQUENCY STABILITY  TOU USE OR REFER TO RESPONSE CURVES FOR  TOU USE OR REFER TO RESPONSE CURVES FOR  TOU USE OR REFER TO RESPONSE CURVES FOR  | TOU USE OF REFER TO SELEC                        | 7     |          | ~     |                    | 0   |       |            |                 |
| FR TO FREQUENCY STABILITY 10 5 9 13 40 0 41 FR TO RESPONSE CURVES FOR  | TOU USE OF REFER TO PEAK                         | =     |          | =     |                    |     |       |            |                 |
| TER TO RESPONSE CURVES FOR   | SO YOU USE OF REFER TO FREGU                     | 0     | 2        | •     |                    | 0   |       |            |                 |
| C CC C  | DO YOU USE OR REFER TO RESPO                     | •     | 0        | •     |                    |     |       |            |                 |
|  |  | ,     | ,        |       |                    |     |       | ,          |                 |

| PERCENT MEMBERS PERFURNING  |                |            |                    |                |            |            |       |  |
|---|----------------|------------|--------------------|----------------|------------|------------|-------|--|
| DY-15K  | SPC S<br>022 0 | SPC SI     | SPC SPC<br>024 025 | C 5PC<br>5 026 | SPC<br>027 | SPC<br>028 | 5 P C |  |
| 873 DI-29 DO TOU TRACE SIGNALS OR CURRENT PATHS THROUGH 558                                   | Ξ              | •          | 12 1               | 5.0            | 0          | 5.         | S     |  |
| BECKLING CONTRACE SIGNALS OR CURRENT PATHS THROUGH SSB  | =              | •          | 12 1               | 5.0            | 0          | 15         | 53    |  |
|   | 33             | 38         | 32 3               | 32 33          | 0          | 35         | 32    |  |
| PRESENT JOB<br>974 D2-72 DG YOU INSPECT PILSE MONILIATION SYSTEMS                             | 59             | 30         | 29 2               | •              |            | 7          |       | PULSE MODILI ATTOM   |
| 7 02-03 00 700  | •              | 0          |                    | 61 +1          |            | 27         |       | SYSTEMS  |
| 02-04 DO YOU ALIGN PULSE MODULATION SY  | 27             |            |                    | 5 29           | 0          | 29         |       |  |
| 02-05 00 YOU TROUBLESHOOT TO PULSE MODULATION ST  | 27             | 52         | 28 2               | 5 2            |            | 27         |       |  |
| 02-36 DO YOU TROUBLESHOOT TO PULSE MODULATION   | <u>•</u>       | <b>*</b>   |                    | 1 2            |            | 22         |       |  |
| COMPONENTS  | 3.0            |            |                    | •              |            | 3.4        |       |  |
| 882 02-08 DO YOU PEROVE OR REPLACE PULSE MODULATION SYSTEM                                    | . •            |            | 91                 | 5 20           | 0          | 202        | . 72  |  |
| COMPONENTS  |                |            |                    |                |            |            |       |  |
| 83 02-09 DO YOU MORK ON PULSE-AMPLITUDE MODULATION (PAM)<br>SYSTEMS                           | 50             | 1.1        | 20 2               | 20 17          | 0          | -          | 2.1   |  |
| 84 02-10 to You work on PULSE-DURATION FOOULATION (PDH)                                       | 0              | *          | 17                 | 16 16          | a          | -          | 12    |  |
| 85 02-11 DO YOU MORK ON PULSE-POSITION PODULATION (PPH)                                       |                | *          | *                  | 4 17           | 0          | 1.6        | 1.2   |  |
| SYSTEMS   |                |            |                    | 20             |            |            | 40    |  |
| TOUR WORK ON LIVE PULSING HODULATION SYSTEMS  | 20             | 2 •        |                    |                | 00         | 10         | 'n    |  |
| 02-14 DO YOU WORK ON DON'T  | 2.             | 3.5        | 13                 |                |            | -          | 5     |  |
| MODULATION STSTEM   | 24             | 25         | 24 2               | 22 24          | 0          | *~         | 26    |  |
| POWER SUPPLIES  |                |            |                    |                |            |            |       |  |
| SHO OZATE DO YOU PEFFORM TASKS ON PULSE MODULATION SYSTEM CHARGING CHORES AND CHARGING DIODES |                | <b>6</b> 0 | •                  | •              | ٥          | 12         | •     |  |
| TASKS ON  | 7.1            | 5.4        | 2 12               | 1 26           | 0          | 54         | 35    |  |
| PULSE FORMING NETFORM TASKS ON PULSE MODULATION SYSTEM  | 6-1            | •          | 61                 | 8 24           | 0          | 27         | 32    |  |
| TIMENS AP3 02-19 DO YOU PENFORM TASKS ON PULSE MODULATION SYSTEM                              |                | 2          | ٠                  |                | 0          | 2          |       |  |
| SAITCHES SUCH AS GAS THYRATHONS   |                |            |                    |                |            |            |       | the second secon |
| ANY DESCRIPTION TASKS ON PULSE MODULATION STATEM PULSE TRANSFORMERS                           | -              | •          | •                  |                | 0          | -          | 0,    |  |
| A95 02-21 DO TOU PERFORM TASKS DN PULSE HODULATION SYSTEM                                     | •              | •          | 0 1                | 8 21           | 0          | 30         | 7.0   |  |
| TRANSMITTER TUBES<br>595 02-22 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM RE             | 13             | 27         | 11                 | .5 24          | 0          | 24         | 5.6   |  |
| ANDLIFIENS ANDLIFIENS AND SEFERE TASKS ON PULSE MODULATION SYSTEM                             | 6-             | 2.2        | •                  | 5 23           | a          | 2.         | 12    |  |
| FAEDUENCY CONVENTERS  |                |            |                    |                |            | 3          | :     |  |
| PERFORM TASKS OF POLSE HODOLATION STREETS   | -              |            | ,                  | •              |            | ,          |       |  |
| APP 32-25 DO TOU PERFORM TASKS OF PULSE MODULATION SYSTEM                                     | 23             | 12         | 22 2               | 25 23          | 0          | 23         | 2.0   |  |

PET MBRS ANSWANG TES FOR 326X1 DAFSC GRPS

GPSMZA PAGE 35

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

| E MODULATION SYSTE E MODULATION SYSTE E MODULATION SYSTE TION SYSTEM STAGES RECURRENCE FREQUE   |                     |     |       | 2000 | SPC SF | u.    | SPC SPC |       |             |
|---|---------------------|-----|-------|------|--------|-------|---------|-------|-------------|
| NH TASKS ON PULSE MODULATION OFF TASKS ON PULSE MODULATION IFIERS ON PULSE MODULATION OFF PULSE MODULATION OFF FEFT TO PULSE RECURRENCE |                     | 770 | 0 570 |      | 70 67  |       |         | 470 8 |             |
| E MODULATION TION SYSTEM RECURRENCE   |                     | 22  | 2.2   | 22   | 5.4.2  | 2.1   | 0       | 20 26 | •           |
| E HODULATION<br>TION SYSTEM<br>RECURRENCE   |                     | 9   | *     | 1.7  | 15     | 6     | 0       | 6 26  | •           |
| TION SYSTEM   |                     | •   | =     | •    | ,      | ,     | 0       |       |             |
|   | <b>L</b> U <b>X</b> | 28  | 5.6   | 82   | 30     | 27    |         |       | •           |
| (PRF) 02-30 DO YOU USE OR REFER TO PUISE RECURRENCE TIME  | ( PRT )             | 26  | 11    |      | 26     | 26    |         |       | 36          |
| YOU USE OR REFER TO PULSE WIDTH (PM)  |                     | 31  | 35    | 30   |        | 30    |         | 33 2  | 26          |
| USE OF REFER TO PULSE   |                     | 3.  | 35    |      | 30     | 31    |         | 1     | •           |
| 02-33 00 YOU USE OR REFER TO PEAK POWER   |                     | 27  | 33    | 26   | 25     | 27    | 00      | 29 26 | 4 4         |
| DO YOU CALCULATE PULSE RECURRENCE TIME (PRT)  | OF PULSE            | •   | 22    |      |        | *     |         |       | 9           |
| RECURPENCE TIME (PRT) OR  | PULSE               | 12  | 52    | 56   | 31     | 2.3   | 0       | 29 2  | 50          |
| 92-37 OC 700 USE FURHULAS TO CALCULATE AVERAGE PONER PEAK PONER OF PULSE MODULATION TRANSMIT SYSTEMS                                    | 80                  | æ   | =     | ۰    |        | 91    | 0       | 91 91 |             |
| NT PATHS THROUGH  | PULSE               | *2  | 27    | 22   | 56     | 5.6   | 0       | 31 26 |             |
| S THROUGH   | PULSE               | 52  | 5.6   | 23   | 28     | 30    | 0       | 31 32 | ~           |
| 03-01 DO TOU FORK WITH ANTENNAS IN YOUR PRESENT JOR   |                     | 40  | 8.    |      |        | -     |         |       | 7           |
| 03-02 DO TOU INSPECT ANTENNAS   |                     | 43  | 43    |      |        | _     |         |       | ,           |
| TOU CLEAN ANTENNAS  |                     | 9 . | 35    |      |        |       |         | 27 26 | 26 ANTENNAS |
| 03-04 00 400 THISTORICY ALIGN ANTENNAS  |                     | 3 5 | 75    | v 0  | 36     | 30 10 | 200     |       |             |
| O TOU TROUBLESHOOT TO ANTENN  |                     | 33  | 30    |      |        | _     |         |       |             |
| DO YOU TROUBLESHOOT TO ANTENN   |                     | -   | 23    |      |        | -     |         |       | 9           |
| DO TOU REHOVE OR INSTALL ANTENNAS   |                     | 52  | •     | 9    |        |       | 0       |       |             |
| DO YOU PEPOVE OF PEPLACE COMP   | s                   | 90  | 27    | 54   | 33     | 01 6  | 00      | 9 2   | 21          |
| PEPPESENTATIONS OF E OF ELECTRIC FIELD LINES  | 9                   | •   | •     | 2    | _      |       | 5       |       |             |
|   | 92                  | 2   | ~     | ı    | 0      | 0     | 0       | 0     | 0           |
| REPRESENTATIONS OF 1 OR MAGNETIC FIELD LINES 03-12 DO TOU DETERMINE THE DIMENTION OF THE MAGNETIC                                       |                     | 7   | 0     | -    | 0      | c     | 0       | c     | 0           |
| TO THE ELECTRIC LINES OF FORCE FOR ANTE   | NAAS                |     |       |      |        |       |         |       |             |
| NERAL RULE THAT   |                     | 2   | 0     | ~    | 9      | 0     | 0       | 0     | 0           |
| NERAL RULE THAT   | ANTENNAS            | 2   | 0     | 2    | ~      | 0     | 0       | 0     | 0           |
| WHICH AME LONGER THAN A MALF. WAVE ACT AS INDUCTIVE U. 03-15 DO TOU USE OF REFER TO THE GENERAL RULE THAT AN                            | LOADS               | 2   | 2     | 2    | -      | 0     | 0       | 0     | 0           |

| AS PERFORMING SPC SP OY=TSK TOU BORK BITH HERTZ ANTENNAS   |     |        |         |      |                  |                |         |
|--|-----|--------|---------|------|------------------|----------------|---------|
| SPC DY-TSK DO TOU BORK MITH HERTZ ANTENNAS   |     |        |         |      |                  |                |         |
| -14 DO YOU BORK WITH HERTZ ANTENNAS  |     | 5PC 51 | SPC SP0 | U -0 | SPC SP<br>027 02 | C SPC<br>8 029 | U &     |
|  | 90  | 1      | s.      | •    | 0                | 60             | 0       |
| -17 DO TOU MORK MITH HARCONI ANTENNAS  | 0   | 7      |         |      | 0 5              | 0:             | 0.0     |
| DO TOU WORK WITH BROADSIDE ANRAYS  | ٠,  |        | ,       | · ·  | 5 0              |                | 2       |
| DO TOU MORK WITH END-FIRE ANANS  | •   | ٠,     | ٠-      |      | -                |                | , -     |
| DO YOU WORK WITH CARDIOID ARRAYS   | 2   | ی ه    | - 4     | 0    | -                |                |         |
| DO YOU WORK WITH COLLINEAR ARRAYS  | 0   | , n    | . ~     | , -  |                  | . 0            | 2       |
| ELDS AFFER MORRING MITH ANTENNAS FELDS OF SCHOOL STEEDS OF S   | ~   | ~      | ~       | -    | 0                | 0              | S       |
| 7  | ~   | S      | 2       | ۰    | 0                | 4              | S       |
| U3-29 DO TOU USE ON METER FOR TO THE TENETRY THE TREE TO THE TELES WHEN WORLD WITH A MITH AND THE NAME OF THE TOWN FELLOS WHEN WORLD WE RECTROHAGNETIC RADIATION | o   | ~      | _       | -    | ٥                | 6              | s       |
| 2 210101010  | C   | ^      | -       |      | 0                | 0              | J.      |
|  | ,   |        |         |      | ,                | 2              |         |
| ECTRIC (E) 1   | ~   | -      | 0       | 0    | 0                | 0              | 0       |
|  | 0   | 51     | 13      | ۰    | 0                | 0              | 2       |
| ANY OF THE ANTENNAS YOU MORK ON CIRCULARLY   | ۰   | :      | •       | 7    | 0                | ,              | \$      |
| POLARITY OF ANTENNAS 6   | 0   | æ      | 5       | 3    | 0                | ,              | 0       |
| ALC ULATIONS   | 7   | -      | 0       | 0    | 0                | 0              | 0       |
| TO CONSTRUCT, ANTENNAS OF CORRECT LENGTH FOR   | ~   | ٠      |         | ,    | 0                | 0              | D       |
| PITH CONTAIN PARASITIC 4   | 0   | •      | 7       | ٠    | 0                | 10             | \$      |
| ELEMENTS SERVING AS DIRECTORS 03-34 DO THE ANTENNA ARRAYS YOU MORK WITH CONTAIN PARASITIC 6  | •   | ۰      | ۰       | 0    | 50               | 01             | 5       |
| #174 CONTAIN DON'T 22  | 2.2 | 21     | 6       | =    | 0                | 12             | 11      |
| - TENNAS   | =   | 1.7    | 2.2     | 13   | 50               | 9              | •       |
| TOU MONK ON STOTRECTIONAL ANTENNAS   | æ ; | 2 :    | • :     | 2:   | 050              |                | o       |
| THE DIRECTIONALITY   | , , | - a    |         |      | 0                |                |         |
| TO TOU FORK WITH ROTAR ANTENNA ARRANS  | 32  | -      | 2 -     | -    | 0                | -              | 5       |
| 70 1'CLUDE LEADS<br>55 OF 12R LOSS IN  |     |        | . ~     |      | a                |                | o       |
| SKIN EFFECTS OF HIGH FREQUENCY 3   | ď   | •      | -       | 0    | 0                | ь              | C LINES |

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND GPSHZ1 PAGE 37 PET MBHS ANSWANG YES FOR 326X1 DAFST GHPS

TASK GROUP SUTTANT

| 0y-15x   | SPC 5PC<br>022 023 | 3 024 | 025 | 5 PC<br>0 2 6 | 250 | 5 PC<br>0 2 8 | 5 PC 02 9 |
|--|--------------------|-------|-----|---------------|-----|---------------|-----------|
| 956 PI-UY DO TOU REFER TO OR USE PADIATION LOSS IN TRANSMISSION  | s                  | 9     | 1   | -             | 0   | 0             | n         |
| LINES LINES OF TOU USE OF HEFER TO DIFLECTHIC LOSS IN  | ~                  | ~     | •   | 0             | O   | 0             | 0         |
| TRANSMISSION LINES TRANSMISSION LINES 958 PI - 06 DO TOU USE OR REFER TO LEAKAGE LOSSES IN TRANSMISSION              | ď                  |       | ٠   | 0             | 0   | c             | 9         |
| LINES LINES TOU MORK WITH TWISTED PAIR TRANSMISSION LINES  | 7                  | 2     | •   | 0             | a   | 0             | 0         |
| PI-DB DO YOU WORK WITH TWIN LEAD TRAN  | •                  | 9     | 2   | 0             | 0   | 0             | 0         |
| PI-09 DO YOU MORK MITH OPEN TWO-MIRE TRA   | -                  | 7     | 2   | 0             | 0   | 0             | 0         |
| YOU WORK WITH FLEXIBLE COAX  | 12 1               | 01 9  | 12  | 7             | o   | 8             | 11        |
| LINES 190 YOU WORK WITH RIGID COLXIAL CABLE TRANSMISSION   | 1 01               | •     | 90  | •             | 0   | ~             | 5         |
| 5  |                    |       | •   |               | •   |               |           |
| PI-12 DO TOU TROUBLESHOOT TRANSMISS  | • •                | •     | • • |               | 0 0 | ~ •           | 0.5       |
| 2 4 4 5 7  | . ~                | , ,   |     | - c           | 0   | · c           |           |
| VEFORMS  |                    |       |     |               |     |               |           |
|  | •                  | *     | 1   | •             | 0   | 2             | .s        |
| TERMINATIONS IN TERMS OF CIRCUIT TERMINATIONS  | •                  |       | •   | ٠             | c   | ,             |           |
| 1261 60114   |                    |       |     | •             | ,   |               |           |
| 969 PI-17 DO YOU CALCULATE STANDING MAYE RATIOS ISWRI OF   | 7                  | 2 2   | £   | *             | 0   | *             | 2         |
|  | ,                  |       | •   |               | C   |               |           |
| 973 PI-18 DO YOU PERFORM THE CALCOLATIONS NECESSARY TO DETERMINE THE LIPEDANCE AND LENGTH OF DUARTER - MAYELENGTH    | 0                  | 0     | -   | -             | 5   | 2             | o         |
| LINES WHICH A  | •                  |       | •   | ٣             | ò   | ^             | v         |
|  | 7                  | 2 0   | 2   | -             | 0   | 2             | 0         |
| TO LOADS USING DELTA MATCHING  |                    |       |     | •             | c   | ,             |           |
| 473 PI-21 DO TOU DELECT THE TIPE OF THANSHISSION LINE MEEDED FOR PARTICULAR JOHS WITHOUT PERERRING TO TECHNICAL DATA | ,                  |       | 2   | 0             | 0   | L             |           |
|  | 7                  | 3 2   | ~   | •             | 0   | 2             | 5         |
| TAMEDANCE (20) OF TRANSMISSION LINES 025 PI=23 OF TOU CALCULATE THE CLARACTERISTIC IMPROANCE (20) OF                 | 0                  | 0     | 0   | c             | 0   | c             | ۵         |
| TRANSMISSION LINES   | -                  | 2     | 0   | C             | 0   | 0             | 0         |
|  |                    |       |     |               |     |               |           |
| DE TRANSPORTON LINES   | 0                  | ,     | >   | -             | ,   | 7             | 2         |
| 978 PI-ZS DO TOU COMPUTE THE ELECTRICAL LENGTH OF TRANSMISSION   | -                  | 0     | -   | c             | 0   | 0             | 0         |
| LINES FOR FIRST CULAR FREGUENCIES 979 FL:27 DG TOU CONSTRUCT TRANSFISSION LINES OF PARTICULAR                        | 0                  | 0     | 2   | 0             | 0   | 0             | 5         |
| NC IES   | -                  | 2 2   | 0   | 0             | o   | 0             | 0         |
| NGTH OF  |                    |       |     |               |     |               |           |

| GPSMZA PAGE 38 |   |   |
|----------------|---|---|
|                |   |   |
|                | DET HERS ANSARNG TES FOR 326X1 DAFSC GRPS | 1 |

|  | SPC   | 590 | 5 P.C | 5 P C | 250 | 027        | 0.28 | 620  |                   |
|--|-------|-----|-------|-------|-----|------------|------|------|-------------------|
| 07-TSx   | ,     |     |       |       |     |            |      | c    |                   |
|  | 2     | s   | ~     |       | 0   | 0          | 0    | ,    |                   |
| TOU BOXK BITH LONKESOURM.                              | ,     | •   |       |       | ,   | 0          | 2    | Jr 1 |                   |
| LINES LINES LINES LINES LINES LINES LINES LINES        | . ~   | ~   | 2     | ~     | **  | D          | 7    | 0    |                   |
| TRANSMISSION CINES THE                                 | 13    | 3   | 0.    |       | 30  | 05         | -    | 2.0  |                   |
| TO LOADS USING STUB MAYEGUIDES OR CAVITY RESCHATORS IN | ?     |     | ,     |       |     |            |      |      |                   |
|  | 2     | * 3 | 3.6   |       | 23  | 100        |      | 2 !  | WAVEGUIDES AND    |
| PRESENT JOB  | 2 4 2 |     | 2.6   | 26    | 20  | 0.5        | 2.0  | 0    | CAVITY RESONATORS |
| TIVE   |       |     |       | 4     | *   | O.         | *    |      |                   |
| CLEAR ALTERNITY OF CAVITY RESONATORS                   | e •   |     | . 4   |       | *   | 0          | *    | 4    |                   |
| -  | 0 0   | 000 | 2.7   | 3.2   | *   | 8.0        | 30   | 1 1  |                   |
| SECULAR ON CAVITY PESONATORS                           | ,     |     |       |       | 11  | 0          | *    | 'n   |                   |
| PRESSURICE MATERIAL PROPERTORS                         | 7 .   | 0 . | ***   |       |     | 0          |      | •    |                   |
|  | 52    |     |       |       | 20  | 100        | 4    |      |                   |
| SHOOL WAVE COLORS                                      | 35    |     | *     |       | 20  | 100        | 20   |      |                   |
| ON INSTALL CONTROL                                     | 35    |     | 2 .   |       |     | 0          | 12   | 2    |                   |
| ON 1451ALL MA  | 5.4   |     | ;     |       |     |            |      | 0    |                   |
| ON INSTALL DURIT LOS                                   | •     | 0   | 00    |       | 7 : | 0 0        | •    | 0    |                   |
| •  | 1     | 2   | •     |       |     |            | -    | \$   |                   |
| OF INSTALL H BEN                                       | 12    | •   | -     |       | - ' | ) 6        | •    |      |                   |
| OR INSTALL OTHER                                       | •     | ~   | 7     | ,     | ,   | 9 6        |      | 0    |                   |
|  | •     | -   | •     | 7     |     | 0 0        |      | -    |                   |
| OR INSTALL POT   | -     | 7   | at .  | 23    | - ' | 0 0        |      | 0    |                   |
| REMOVE OR INSTALL DIRECTIONAL COSTS                    | 12    | -   | 13    | 7 7   | ,   | 0 0        |      | •    |                   |
| OH INSTALL AID   | ٦     | 0   | •     | 7     | -   | <b>)</b> ( | 2 5  |      |                   |
| PEFER TO "A" MALL                                      | •     |     | 3     | ,     | -   | 2 6        |      | 0    |                   |
| OH REFER TO "B" AALL                                   | *     | 7   | 20    |       | 0   | 3 (        |      | 0    |                   |
| OR REFER TO CUTOFF FREDUENCY OF BACKGOOD               |       | 1   | 3     | 9     | 0   | 0          |      | •    |                   |
| OR PEFER TO FREGUENCI - DE LE MITTE                    |       |     |       |       |     | 0          |      | 0    |                   |
|  | -     | 7   | 0     | •     | 0   | •          |      |      |                   |
|  |       | 9   | C     | -     | C   | 0          | 0    | 0    |                   |
| USE OF REFER TO ELECTRIC FIELD BOUNDARY                | ,     | ,   |       |       |     | c          |      | C    |                   |
|  | 9     | 0   | 0     | -     | 0   |            |      |      |                   |
|  | Í     |     | 2     | 2     | -   |            | 0    | 2 0  |                   |
| SEE OF PEEFER TO CUPLEKER FIELD BOUNDARY               |       | •   |       |       |     |            |      |      |                   |
|  |       | _   | 0     | -     |     | 0          | 0    | 0    |                   |
| SEMERAL RULE INA.                                      |       |     |       |       |     |            | c    | 0    |                   |
| ALL SIZE OF THAT MOST OF                               |       | -   | 7     |       |     | 0          |      |      |                   |
| 1  |       |     |       |       | 2   | -          | 0    | 5    |                   |
| PALLS RANGE FROM . Z TO . S MATERIAL (SUCH AS BRASS)   |       | 7   |       |       |     |            |      |      |                   |
| MAILCH ANEGOLDES ARE MADE OF A MANEGOLDE FOR SPECIFIC  |       | -   | 2     |       | 0   | 0          | 0    | 0    |                   |
| 2-30 00 00   |       |     |       |       |     |            |      |      |                   |

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND 5 P.C 0 0 0 0 S s 0 0 0 2 S .... 5Pc 0 0 0 a 0 0 0 0 5PC 027 0 0 20 20 20 0 0 0 0 20 0 0 20 0000 39 5PC 026 a 0 0 0 0 GPSHZA PAGE 5PC 0 • 0 SPC 024 C 0 7 s 2 5PC 023 0 ~ 0 S 2 0 0 0 0 2 0 2 9 7 O S • ~ PIGES PZ-44 ARE ROTATING JGINTS USED IN MAVEGUIDES OR CAVITY
RESONATORS YOU WORK WITH
PIGES PZ-45 ARE DON'T REMEMBER THE KIND OF JOINTS USED IN
MAVEGUIDES OR CAVITY RESONATORS YOU WORK MITH
PIGES PZ-46 DO YOU TONE CAVITY RESONATORS USING CARCITIVE TUNING
PIGES PZ-47 DO YOU TONE CAVITY RESONATORS USING YOUNE TUNING
PIGES PZ-47 DO YOU TONE CAVITY RESONATORS USING YOUNE TUNING
PIGES PZ-47 DO YOU TONE CAVITY RESONATORS USING YOUNE TUNING PIG2S P2-42 DO YOU DETENTINE THE POSITIONING OR SIZE OF APERTURES IN MAVEGUIDES OR CAVITY RESONATORS MITHOUT REPERRING TO ŏ Z 80 PICIO P2-35 ARE HIGH POMER PROBES USED ON MAVEGUIDES OR CAVITY RESONATORS TOU WORK WITH PICIO P2-36 ARE LOMPOWER PROBES USED ON MAVEGUIDES OR CAVITY RESONATORS TOU WORK WITH PICACO P2-37 ARE LOOPS USED ON MAVEGUIDES ON CAVITY RESONATORS PIGIT P2-34 DO YOU USE OR REFER TO THE SPACE SUADRATURE OF "E" PIGIA PZ-31 DO YOU USE THE RIGHT HAND RULE TO CETERATAE THE DIRECTION OF "E" FIELD, OP PIGIS PZ-32 DO YOU USE OR REFER TO THE TIME PHASE OF PEAK "E" "H" LINES IN MAYEGUIDES
PIGIO P2-33 DO YOU MEASURE THE TIME PHASE OF "E" OR "H" LINES PIDZE PZ-43 ARE CHOKE JOINTS USED IN MAVEGUIDES OR CAVITY RESONATORS FOU WORK WITH PCT HBRS ANSWANG TES FOR 326X1 DAFSC GRPS THE PETHOD OF TUNING TASK GROUP SUNYARY PERCENT MEMBERS PERFORMING GROUP SUNFARY SECTOBBANA

MICROWAVE AMPLIFIERS AND OSCILLATORS

000

NNO

000

PIGGA PS-UT IN YOUR PRESENT JOB DO YOU WORK WITH KLYSTROWS.

TRAVELING MAYE TUBES (TWT). PAPMETRIC AMPLIFIERS, DA

PIGGA TO YOU USE OR REFER TO INTERLECTANDE CAPACITANCE

PIGGA P3-03 DO YOU USE OR REFER TO ELECTRON TRANSIT TIME

PIGST PZ-50 00 YOU MEASURE THE PREGUENCY OF SIGNALS IN CAVITY

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| AF HUMAN RESOURCES LABORATORY | AIR FORCE SYSTEMS COMMAND |
|-------------------------------|---------------------------|
|                               | 9                         |
|                               | GPSMZA PAGE 40            |
|                               |                           |
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|                               |                           |
|                               |                           |
|                               | Seas                      |
|                               | DAFSC GPP                 |
|                               | 32611                     |
|                               | TES 108 3                 |
|                               | ANSWAG TE                 |
|                               | 18 K S                    |
|                               |                           |

| TASK GROUP SUMMARY  PERCENT MEMBERS PERFORMING  DY=TSK  DY=TSK  DY=TSK  DY=TSK  DY=TSK  DY=TSK  DY=USE OH REFER TO RELECTHON VELOCITY  CIRCUITY  MODULATION  MODUL | 123 23 23 24 43 3 4 43 4 43 4 43 4 43 4 | 95  |            |            |            |     |          |
|--|---|-----|------------|------------|------------|-----|----------|
| EMBERS PERFORMING  Deats  Deat | N C                                     | 92  |            |            |            |     |          |
| DD YOU USE ON REFER TO RE LOSSES IN EXTERNAL  JITHY DO YOU USE OR REFER TO PRINCIPLE OF ELECTHON VELOCITY  ATION  OO YOU WORK WITH TWO-CAVITY KLYSTRONS  DO YOU WORK WITH TRAVELING-HAVE TYSTRONS  DO YOU WORK WITH REFLEX KLYSTRONS  DO YOU WORK WITH REFLEX KLYSTRONS  DO YOU WORK WITH REFLEX KLYSTRONS  DO YOU WORK WITH HAVELING-HAVE TUBES ITWI)  CO YOU WORK WITH HAVELING-HAVE TUBES ITWI)  DO YOU WORK WITH HAGNETRONS  DO YOU WORK WITH HAGNETRONS  DO YOU LEAN KLYSTRONS OR TWT ELECTRICALLY  DO YOU LANE KLYSTRONS OR TWT ELECTRICALLY  DO YOU TAVE KLYSTRONS OR TWT MECHANICALLY  DO YOU TAVE KLYSTRONS OR TWT MECHANICALLY  | w c                                     | 20  |            |            |            |     |          |
| 100 YOU USE OR REFER TO PRINCIPLE OF ELECTHON VELOCITY 1011770 100 YOU USE OR REFER TO PRINCIPLE OF ELECTHON VELOCITY 100 YOU USE OR REFER TO PRINCIPLE OF ELECTHON VELOCITY 100 YOU WORK WITH THOMOCAVITY KLYSTRONS 100 YOU WORK WITH THEELEX VITY KLYSTRONS 100 YOU WORK WITH TRAVELING WAY TUBES ITWI 100 YOU WORK WITH TRAVELING WAY TUBES ITWI 100 YOU WORK WITH HONDEGENERATIVE PARAMETRIC AMPLIFIERS 100 YOU WORK WITH HAGNETRONS 100 YOU WORK WITH HELECTHICALLY 100 YOU WORK WITH WELCHNICALLY 100 YOU PERFETIONAL CHECKS OF KLYSTRONS OR  |   |     | 5PC<br>025 | 5PC<br>026 | 5PC<br>027 | SPC | 95C      |
| ATTER TO USE OR REFER TO PRINCIPLE OF ELECTHON VELOCITY ATTOM USE OR REFER TO ELECTRON BUNCHING DO YOU WORK WITH THORCANITY KLYSTRONS DO YOU WORK WITH TRAVELING WAY FUBES ITHIN DO YOU WORK WITH TRAVELING WAY FUBES ITHIN DO YOU WORK WITH NONDEGENERATIVE PERAMETRIC RELEASED TO YOU WORK WITH MONDEGENERATIVE PERAMETRIC AMPLIFIERS DO YOU WORK WITH MONDEGENERATIVE PRAMETRIC AMPLIFIERS DO YOU WORK WITH MONDEGENERALITY RECTRICALLY ON YOU THE KLYSTRONS OR THI MECHANICALLY OU TOLE KLYSTRONS OR THI MECHANICALLY OU TOLE KLYSTRONS OR THI MECHANICALLY ON YOU FEFFORM OPERATIONAL CHECKS OF KLYSTRONS OR   |   | 15  | 9.         | 7          | 0          | *   | •        |
| ATION  OF YOU WORK WITH TWO-CAVITY KLYSTRONS  DO YOU WORK WITH TWO-CAVITY KLYSTRONS  DO YOU WORK WITH TREE—CAVITY KLYSTRONS  DO YOU WORK WITH REFLEX KLYSTRONS  DO YOU WORK WITH REFLEX KLYSTRONS  DO YOU WORK WITH NONDEGENERATIVE PARAMETRIC  TELES  DO YOU WORK WITH HAGNETRONS  DO YOU WORK WITH HAGNETRONS  DO YOU LISPECT KLYSTRONS OR TWT  DO YOU CLEAN KLYSTRONS OR TWT ELECTRICALLY  DO YOU CLEAN KLYSTRONS OR TWT ELECTRICALLY  DO YOU CLEAN KLYSTRONS OR TWT ELECTRICALLY  DO YOU THE KLYSTRONS OR TWT ELECTRICALLY  DO YOU THE KLYSTRONS OR TWT HECHANICALLY  DO YOU THE KLYSTRONS OR TWT HECHANICALLY   |   | ,   | •          | -          | 0          | ~   | 0        |
| DO YOU WORK WITH TWO-CAVITY KLYSTRONS DO YOU WORK WITH TWO-CAVITY KLYSTRONS DO YOU WORK WITH TRAVELING WAYE TUBES ITHTI DO YOU WORK WITH NONDEGENERATIVE PARAMETRIC FIERS DO YOU WORK WITH NONDEGENERATIVE PARAMETRIC DO YOU WORK WITH NONDEGENERATIVE PARAMETRIC AMPLIFIERS DO YOU WORK WITH HAGNETRONS DO YOU LISPECT KLYSTRONS OR TWT DO YOU USE MKLYSTRONS OR TWT ELECTRICALLY DO YOU USE KLYSTRONS OR TWT ELECTRICALLY DO YOU THE KLYSTRONS OR TWT ELECTRICALLY DO YOU THE KLYSTRONS OR TWT HECHANICALLY DO YOU THE KLYSTRONS OR TWT HECHANICALLY   |   | 60  | 1          | •          | ٥          | *   | 0        |
| DO YOU WORK WITH THREE-CAVITY KLYSTRONS DO YOU WORK WITH REFLEX KLYSTRONS DO YOU WORK WITH REFLEX KLYSTRONS DO YOU WORK WITH NONDEGENERATIVE PARAMETRIC IFIERS DO YOU WORK WITH HAGNETRONS DO YOU LEAN KLYSTRONS OR TWIT MELECTRICALLY DO YOU TUNE KLYSTRONS OR TWIT MECHANICALLY   |   | *   | 2          | c          | 0          | c   | o        |
| DO YOU WORK MITH REFLEX KLYSTRONS DO YOU WORK MITH TRAVELING WAVE TUBES ITWI) DO YOU WORK MITH NONDEGENERATIVE PARAMETRIC IFIERS DO YOU WORK WITH UP-CONVERTER PARAMETRIC AMPLIFIERS DO YOU WORK WITH MAGNETRONS DO YOU WORK WITH MAGNETRONS DO YOU INSPECT KLYSTRONS OR TWIT DO YOU TUNE KLYSTRONS OR TWIT MECHANICALLY  |   |     | -          | 0          | 0          | 0   | 0        |
| DO YOU MORK MITH TRAVELING MAYE TUBES ITWITD OF YOU MORK MITH NONDEGENERATIVE PARAMETRIC INTERSOFTING NONE MITH NONDEGENERATIVE PARAMETRIC AMPLIFIERS DO YOU MORK MITH MAGNETRONS DO YOU INSPECT RETSTRONS OR TWITDO YOU THE KLYSTRONS OR TWIT MELECTRICALLY DO YOU THE KLYSTRONS OR TWIT MECHANICALLY DO YOU THE KLYSTRONS OR KLYSTRONS OR KLYSTRONS OR   |   | - ' | 0 -        |            | 0 0        | •   |          |
| LETERS 3 DO YOU MORK WITH NORDEGENERALITY PROPERTY AND THE S 3 DO YOU WORK WITH HAGNETRONS 4 DO YOU MORK WITH HAGNETRONS 5 DO YOU WORK WITH HAGNETRONS 6 DO YOU CLEAR KLYSTRONS OR THIT ELECTRICALLY 7 DO YOU TONE KLYSTRONS OR THIT MECHANICALLY 8 DO YOU TONE KLYSTRONS OR THIT MECHANICALLY 9 DO YOU PERFORM OPERATIONAL CHECKS OF KLYSTRONS OR   |   | 75  | 3          | 2 0        | 0 0        | . 0 | . 0      |
| 3 DO YOU MORK WITH HAGNETRONS 4 DO YOU MORK WITH HAGNETRONS 5 DO YOU MORK WITH HAGNETRONS 6 DO YOU LEAN KILSTRONS OR TWIT 7 DO YOU TUNE KLYSTRONS OR TWIT ELECTRICALLY 8 DO YOU TUNE KLYSTRONS OR TWIT MECHANICALLY 9 DO YOU PUNE KLYSTRONS OR TWIT MECHANICALLY 9 DO YOU PUNE KLYSTRONS OR TWIT MECHANICALLY  | 05.                                     |     |            |            |            |     |          |
| 4 DO YOU MORK WITH HAGNETRONS 5 DO YOU INSPECT KLYSTRONS OR TWIT 6 DO YOU CLEAN KLYSTRONS OF OF WIT ELECTRICALLY 7 DO YOU TUNE KLYSTRONS OR TWIT MECHANICALLY 8 DO YOU PUNE KLYSTRONS OR TWIT MECHANICALLY 9 DO YOU PERFORM OPERATIONAL CHECKS OF KLYSTRONS OR   | n s -                                   |     | 2          | -          | 0          | 2   | 0        |
| 5 DO YOU INSPECT KLYSTROUS OR TWIT 5 DO YOU CLEAN KLYSTRONS OR TWIT ELECTRICALLY 6 DO YOU TONE KLYSTRONS OR TWIT ELECTRICALLY 8 DO YOU TONE KLYSTRONS OR TWIT MECHANICALLY 9 DO YOU PEFFORM OPERATIONAL CHECKS OF KLYSTRONS OR   | <b>.</b>                                |     | 27         | •          | 20         | 9 . | =:       |
| DO YOU CLEAN KLYSTRONS OR THIT ELECTRICALLY DO YOU TUNE KLYSTRONS OR THIT MECHANICALLY OG YOU TUNE KLYSTRONS OR THIT MECHANICALLY OG YOU PEHFORM OPERATIONAL CHECKS OF KLYSTRONS OR  |   | 34  | 37         | * '        | 0 0        | 9   |          |
| YOU TONE KLYSTRONS OR THT ELECTRICALLY YOU TONE KLYSTRONS OR THT MECHANICALLY YOU PERFORM OPERATIONAL CHECKS OF KLYSTRONS OR   | - '                                     |     | - :        |            | 0 0        | r.  |          |
| DO TOU TUNE KLYSTRONS OR THT MECHANICALLY DO TOU PEHFORM OPERATIONAL CHECKS OF KLYSTRONS OR  |   |     | 12         | •          | <b>5</b> C | • : |          |
| DO YOU PEHFORM OPERATIONAL CHECKS OF KLYSTRONS OR  | 2 :                                     | 7   |            |            | 0 0        |     |          |
|  | •                                       | 36  | 3          | •          | 20         | 7   | <u>•</u> |
|  | *                                       | 29  | 58         | 61         | 20         | - 8 | 1.6      |
| TOC TOCOCICE SELECTION OF THE SELECTION OF THE   |   | ~   | 42         | -          | 50         | 8 7 | 16       |
| TATEL TO THE PERSON OF SEPERATE AND THE COMPONENTS   | -                                       |     | S          | 9          | 0          | •   | •        |
| DO YOU INCREAT PARTIES ANDLIFTERS  |   | 2   | 3          | 0          | 0          | 0   | ۵        |
| DO YOU CLEAR PARAETRIC AMPLIFIERS  |   | -   | -          | 0          | 0          | 0   | 01       |
| DO YOU ADJUST PARAMETRIC AMPLIFIERS  | =                                       |     | -          | 0          | 0          | 0   | 0        |
| DO YOU TUNE PANAMETRIC AMPLIFICAS  |   |     | - :        | 0          | 0 0        | 0   | 2 (      |
| U PERFORM OPERATIONAL CHECKS OF PARAMETRIC   |   |     | •          | -          | 2          | 7   | 2        |
| FIERS  | 11                                      |     | •          | 0          | 0          | c   | 0        |
| PU-29 DO YOU REMOVE OR REPLACE COMPLETE PANAMETRIC   |   | 2   | S          | 0          | 0          | 0   | o        |
|  | J                                       |     | c          | •          | c          | c   | C        |
| PARADO TOU REMOVE ON REPLACE PARAMETHIC AMPLIFICA  | •                                       | •   | 0          | 2          | ,          | 0   |          |
| PARTITION FOR INCRETAINS   | 2                                       |     | 52         | =          | 20         | 13  | 'n       |
| DO TOU CLEAN MEGNETRONS  |   | 1.5 | -          | 1          | 0          | 10  | 0        |
| DO TOU ADJUST "AGNETHONS   |   | 9 ! |            | •          | 0 1        | ,   |          |
| DO TOU TUNE MAGNETHONS   |   | 17  | 0.2        |            | 2          | 4 : |          |
| DO YOU PERFORM OPERATIONAL CHECKS OF MAGNETRONS  | ٠.                                      |     | , ;        |            | ם כ        |     | - 4      |
| DO TOU TAGUBLESHOOF MAGNETPONS   |   |     | 35         | 0 1        | 9 0        |     | 7 =      |
| DO TON SERVICE OF SEPLACE COMPLETE MALST   | •                                       |     |            |            | 9 0        | . , |          |
| DO YOU SENOYE OR REPLACE MAGNETHON COMPONENTS  |   | -   | 0          | 2          | 0          | 0   | 00       |
| 16.5 01  |   |     | ,          | ,          |            | 1   |          |
| OPEX   |   | 2 0 | 0          | 0          | ci         | 0   | c        |
| TY CLYSTRONS CATCHER CAVITIES  |   |     | •          |            | •          | ,   |          |
| PJ-41 DO TOU USE OR REFER TO THE OPERATING PRINCIPLES OF   |   | 2   | 0          | 0          | 0          | ٥   | •        |

PET HURS ANSWANG YES FOR 326X1 DAFSC GRPS

GPSHZA PAGE

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

| PERCENT MEMBERS PERFORMING   |                |             |            |            |            |       |                    |  |
|--|----------------|-------------|------------|------------|------------|-------|--------------------|--|
| 0Y-15K   | 5 P C<br>0 2 2 | 5 P C 0 2 3 | SPC<br>024 | SPC<br>025 | 5PC<br>026 | SPC 5 | SPC SPC<br>028 029 |  |
| P3-42 Dg YOU USE OR REFER TO THE OPERATING PRINCIPLES OF                                     | -              | 2           | -          | -          | -          | 0     | 0                  |  |
| THO-CAVITY KLYSTHONS FEEDBACK LOOPS P3-43 DO TOU USE OR REFER TO THE OPERATING PRINCIPLES OF | -              | 7           | -          | 0          | -          | 0     | 2                  |  |
| THOUGAVITY KLYSTRONS DRIFT SPACES  | -              | ^           | c          |            | c          | c     | 0                  |  |
| ATTING PRINCIPLES  | -              | ~           |            | -          |            | 0     |                    |  |
| ITIES<br>OPERATING PRINCIPLES  | ~              | v           | -          | -          | -          | 0     |                    |  |
|  | 2              | ۰           | -          | -          | 0          | 0     | 0                  |  |
| THE-CAVITY KLYSTRONS CATHODES P3-48 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF       | J.             | ď           | 7          | •          |            | 0     |                    |  |
| REPELLER (REFLECTOR) PLATE OR HEFER TO THE OPERATING   | ۰              | 0.          | ,          | •          | •          | 0     | 9                  |  |
| GRIDS<br>OR REFER TO THE   | 7              | 'n          | 7          | 5          | 0          | 0     | 0                  |  |
| RON GRID CAVITY GAPS<br>USE OR REFER TO THE OPERATING  | •              | -           | 'n         | 80         | 0          | 0     | 0                  |  |
| USE OR RESERT TO THE OPERATING   | 2              |             | -          | •          | c          | 0     |                    |  |
| RON MAGNETIC COUPLING LOOPS  | •              |             | ٠          | •          |            | c     |                    |  |
| FILLERIAS ON REFER TO THE OPPRETING PRINCIPLES   | •              | •           | ,          |            | c          | 0     |                    |  |
| PON CATHODES<br>USE OR REFER TO THE OPERATING PRINCIPLES                                     | •              | •           | 7          |            | -          | 0     |                    |  |
| OUTPUT LEADS   | •              | **          | 6          | •          | *          | 0     | •                  |  |
| OPERATING  | 50             | 2.2         |            | *          | •          | 0     |                    |  |
| VE TUBES CATHODES  | 1.1            | 12          | 1.1        | 5          | •          | 0     |                    |  |
| PERATING   |                | 33          | 8 7        | *          | •          | 0     | •                  |  |
| VE TUBES ANDES HODES AND SERVING PRINCIPLES  | •              | 12          | •          | •          | •          | 0     |                    |  |
| OPERATING  | -              | 52          | •          |            | •          | 0     | •                  |  |
| 100 USE  | 2              | 1.1         | 01         | 60         | •          | a     | •                  |  |
| OPERATING  | =              | 5.8         | 1.5        | =          |            | o     | •                  |  |
| AMETRIC AP   | 0              | 0           | -          | 0          | 0          | a     | 0                  |  |
|  | c              | •           |            |            |            | 2     | 0                  |  |

| GHOUP SUMMANY  |      |          |            |       |          |        |         |                     |
|--|------|----------|------------|-------|----------|--------|---------|---------------------|
|  |      |          | SPC S      | SPC S |          | SPC SI | SPC SPC |                     |
| 07-15x   | 022  | 023      |            |       | 0 920    |        |         |                     |
| P3-66 DO TOU PERFORM TASKS ON PARAMETRIC AMPLIFIER IDLEM   | 0    | 0        | 0          | 0     | 0        | 0      | c       | 0                   |
| 11.5   | 0    | 0        | -          | 0     | 0        | 0      | 0       | 0                   |
| 6  | -    | 0        | -          | 0     | -        | 0      | 2       | 0                   |
| ISOLATONS<br>P3-69 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER REVERSE-   | 0    | 0        | c          | 6     | D        | 0      | 0       | 0                   |
|  | *    | •        | •          | ,     | •        | 0      |         | 0                   |
| DO YOU PENFORM TASKS ON ANDDES   | ~    | Λ,       | , 2        | ~     |          | 0      |         | ٥                   |
| TO TOU PERFORM IASKS OF ANOTHER  | •    | •        | 3          | •     | •        | 0      |         | o                   |
| ON HEATER  |      | •        | •          | r     | 6        | 0 (    |         | 9 (                 |
| DO YOU PERFORM TASKS ON RESONANT   | •    | 00       | 3          | 60    | -        | 0 0    |         | 2 0                 |
| DO YOU PERFORM TASKS ON CATHODES   | un a | • •      | <b>5</b> r | • •   | <b>.</b> | 20     | ۰ د     | 200                 |
| DO YOU PERFORM TASKS ON MAGNETS  | -    | 1        | 1          | 1=    | 1        | 0      | 1       | 3.5                 |
| DO YOU USE OR REFER TO   | 26   |          | 23         | 37    | 20       | 0      | 12 4    | 4.5                 |
| USE OR REFER TO SAIFT REGI   | 52   | 21       | 23         | 30    | 2.1      | 0      |         | 37 REGISTERS        |
| WEFER TO LOGIC SYMBOLS OF  | 22   |          | 12         | 52    | 20       | 0      | 16 3    | 32                  |
| REGISTERS  | 22   | -        | 20         | 67    | 6-       | 0      | 12 3    | 37                  |
|  |      |          | 1          | 20    | :        | 0      |         | 12                  |
| UI-DE DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF   | 20   | -        | •          | ۲,۶   |          |        |         | •                   |
| ACH FLI  |      | <u>*</u> | 12         | 1.1   | <b>*</b> | 0      | 12 2    | 21                  |
| SISTER AFTER A SPECIFIED NOT TOU WORK MITH DIGITAL COUNTE  | -    | 62       | 28         | 37    | 33       | 100    | 29 3    | 37                  |
| STORAGE DEVICES IN YOUR PRESENT JOS  | 2.2  | 25       | 20         | 23    | 23       | 50     |         | 26                  |
| YOU USE OF REFER TO  |      | 9        | 5          | 0     | 13       | 05     |         |                     |
| THE REAL OF SERVICE AND THE PARTY OF THE PAR | ď    | 30       | s          | 3     | ۴        | 0      | ~       | 5 STORAGE DEVICES   |
| CHARGES OF GRANGE TO BE OUT OF   | 1.7  | 9.       | 13         | 9.8   |          | 0      |         |                     |
| E OR REFER TO ACCESS !!  | =    | =        | Ξ          | 8     |          | 0      |         | <b>S</b>            |
| MEMORY SYSTEMS   | - 3  | 13       | Ξ          | 9.    | 1        | 5      | ,       | •                   |
|  | 1    | •        | 0          | ۰     | •        | 0      | 2       | 5                   |
| OO TOO USE OF PETER TO TOTAL STREET OF SELAT   | -    | +        | 11         | 9     | 61       | 50     | 1       |                     |
| R WITH DIGITAL   | 30   | 35       | 52         | 3.8   | 6-       | 001    | -       | 21                  |
| BARLOG (D/A) CONVERTERS, LALCOG-TO-DIGITAL (A/D)   | 2    | 3        | 2          | 2     | -        | 0      | 2       | O AMALOG CONVERTERS |
| NAME OF THE PROPERTY OF THE PROPERTY OF STREET INDICE.   |      |          |            |       |          |        |         |                     |
| PAL PULE   | 2    | -        | ~          | 7     | -        | 0      | 2       | •                   |
| TALLE TE PROTECTION OF THE PROPERTY OF THE PRO |      |          |            |       |          |        |         |                     |

PHOTO SENSITIVE DEVICES AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND SYNCHRONOUS VIBRATIONS CHOPPER CIRCUITS CABLE FABRICATION SCHMITT TRIGGERS PHANTASTRONS INPUT/OUTPUT DEVICES 26 s 0 32 =0 2 0 S 0 0 0 35 2 029 53 12 028 39 22 + 7 SPC ~ 027 0 0 0 0 0 0 20 0 0 43 920 • 37 = • SPSHZA PAGE 025 28 37 024 56 2 023 ~ 50 • -0 5PC 022 0 56 27 DII29 93-04 DO YOU COMPUTE ANALOG VOLTAGES FOR GIVEN BINARY COUNTS IN ELECTRONIC DIGITAL TO-ANALOG (D/A) CONVERTERS DII30 93-05 DO YOU PERFORM SAMPLE FUNCTION TASKS ON VARIABLE TIME BOOLEAN ALGEBRA SIINT 52-01 DO YOU MORK WITH PHOTO TUBES IN YOUR PRESENT JOB SIISO 53-01 IN YOUR PRESENT JOB DO YOU WORK MITH CHOPPER CIRCUITS HILMS RE-OZ DO YOU TRACE DATA FLOW THROUGH SCHMITT TRIGGER
SCHEMATIC DIAGRAMS
RILMS RE-OB DO YOU USE OR REFER TO SCHMITT TRIGGER LOGIC STMBOLS
RILMS RE-OB IN YOUR PRESENT JOB DO YOU FABRICATE MULTICONDUCTOR PRESENT JOB PRESENT JOB DO YOU MORK MITH SCHMITT TRIGGER SIISI 93-06 DO YOU PERFORM HOLD FUNCTION TASKS ON VARIABLE TIME GII32 Q3-07 DD YOU PERFORM COMPARE FUNCTION TASKS ON VARIABLE TIME AMALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS
GII31 Q3-08 DD YOU PERFORM DIGITIZE FUNCTION TASKS ON VARIABLE TIME AMALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS
GII34 Q3-09 DO YOU PERFORM DOW! REMEMBER WHICH FUNCTION TASKS
ON VARIABLE TIME AMALOG-TO-DIGITAL (A/D) CONVERTER STIST ST-02 DO TOU MEASURE EXCITATION FREQUENCIES STIDS STIES ST-03 DO TOU MEASURE VOLTAGE-CURRENT PHASE RELATIONSMIPS VISUAL READOUT SYSTEMS SITTY ST-02 DO NIXIE LIGHTS OR NIXIE DII 39 GB-14 DO YOU PERFORM ANY TASKS ON MECHANICAL ANALOG-TO-LIGHT DECODER SYSTEMS
SILMB SI-03 DO YOU ANALYZE NIXIE LIGHT DECODER SYSTEMS USING SILMS RE-DE DO TOU FARRICATE COAXIAL CARLES SILMS SI-DI IN YOUR PRESENT JOB DO YOU PERFORM ANY TASKS ON CONVERTERS CON USE OR REFER TO DIGITAL FUNCTION OF A/D PIGGTAL (AZD) CONVERTERS GII37 G3-12 DO YOU USE OR REFER TO COMPARE FUNCTION OF A/D SIISS SECTION FREQUENCIES SET TO EXCITATION FREQUENCIES SIES SECTION FREQUENCIES RELATIONSHIPS SIISS STACK OO YOU USE SERVOS IN CONJUNCTION HITH CHOPPER CIRCUIT OPERATION BILLIS BILLO DO YOU USE OR REFER TO SAMPLE FUNCTION OF A/D 41136 43-11 DO YOU USE OR REFER TO HOLD FUNCTION OF A/D ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS PCT MBRS ANSWANG YES FOR 326X! DAFSC GRPS DY-15K PERCENT HEMBERS PERFORMING CONVERTERS CONVERTERS CONVERTERS CIRCUITS CABLES

| TASK GHOUP SURMARY PERCENT MEMBERS PERFORMING                     |              |                    |        |              |            |                  |            |
|---|--------------|--------------------|--------|--------------|------------|------------------|------------|
| x21-x0  | SPC 9        | SPC SPC<br>023 024 | C SPC  | 5 P C<br>026 | SPC<br>027 | SPC SP<br>028 02 | 5PC<br>029 |
| S 53-67 DG YOU USE DETECTORS IN CONJUNCTION WITH CHOPPER          | 90           | 0                  | 7      | =            | 0          | 10               | 1.6        |
| CIRCUIT OPERATION   | a            |                    | -<br>a |              | c          |                  | *          |
| CALCADARS CIRCUIT OPERATION                                       |              |                    |        |              | ,          | 0                |            |
| DO YOU USE  | •            | -                  | 0      | 13           | 0          | 1.2              | 91         |
| TIES TI-DI DOES YOUR PRESENT JOR INVOLVE ANY TASKS DEALING WITH   | 90           | 12                 | 18 17  | c            | 0          | 0                | 0          |
| RED SYSTEMS   |              |                    |        |              |            |                  |            |
|   | <b>*</b>     | •                  | -      |              | ٥          | 0                |            |
| TIPOS DO YOU CLEAN INFRANCO SYSTEMS                               | 2 =          | • •                | 13     |              | 00         | 0 0              | O INFRARED |
| TI-05 DO YOU OPERATE INFRARED SYSTEMS                             |              | •                  | 13     | 0            | 0 0        | 0                | 0          |
|   | -3           | 7                  | 13 12  |              | 5          | 0                | 2          |
| SYSTEMS<br>TI-07 DO TOU TROUBLESHOOT MAJOR ASSEMBLIES OF INFRARED | 15           | •                  | 15 13  | 0            | 0          | c                | o          |
| SYSTEMS<br>TI-38 DO YOU THOUBLESHOOT DOAN TO INFHARED SYSTEM      |              | -                  | 6 11   | 0            | ٥          | C                | ٥          |
| 2 3 2 8 01 4 4 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4                | <b>3</b>     |                    |        |              | 0          | c                | 0          |
| INFRARED SYSTEMS  |              |                    |        |              |            | 1                |            |
| TI-10 DG YOU REHOVE OR REPLACE INFRANED SYSTEM                    | =            | ·                  | 11 8   | 0            | 0          | 0                | 0          |
| 00 TOU USE OF   | ٥            | •                  | 6 5    |              | 0          | 0                | 0          |
| DO YOU USE ON MEFER TO  | •            | •                  | 9      | 0            | 0 0        | 0                | 0 0        |
| TITLE DO TOU USE OF REFER TO TEAN HEAT                            |              | 0 3                |        |              | 0 0        | o c              |            |
| 00 400 00 KEEFS TO  |              | . =                |        |              | 0          | o c              |            |
| -16 DO YOU USE ON REFER TO BLACK BOD                              | *            | *                  | 1 5    |              | 0          | 0                | 0          |
| 7 30 TOU USE OR REFER TO  | •            | 13                 |        |              | 0          | 0                | 0          |
| S DO YOU USE OR REFER TO SCATTERIN                                | 0 -          | 0.5                | 9 0    |              | 0 0        | c                | 00         |
| מו מ                          | -            | 2 ~                |        |              | 0 0        |                  | 0 6        |
| TI-ZI DO TOU PERFORM TAKES  | - ~          | n m                |        |              | 9 0        | 3 C              | . 0        |
| -22 33 TOU PEHFORM TASKS ON ERECTOR LEN                           | •            | •                  | 3 2    |              | 0          | C                | 0          |
| TI-23 30 TOU PERFORM TASKS ON OCULAR LENS                         | 20           | 10                 |        |              | 0          | 0                | 0          |
| 1-2" 00 YOU PEHFORM TASKS O' C                                    |              | •                  |        |              | 0          | 0                | 0.0        |
| TI-ZS DO TOU PERFORM TASKS ON FILTERS                             | <b>3</b> 0 - | •                  |        |              | 0 0        | 0 0              | 2 0        |
| NAT HEORING NOT DO  | , -          | n -                |        |              | 0 0        | o C              |            |
| 72-01 DOES YOUR PRESENT JOB INVOLVE ANY                           | 0            | 0                  | 0      |              | 0          | 0                | 0          |
| 5 35 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5                            | c            | c                  | c      | •            | C          |                  | 0          |
| 72-02 00 100  | <b>3</b> C   | o c                | 0 0    | 0 0          | ) C        | . c              | 30134      |
| DO YOU OPERATE LASER SYSTEM                                       | 2 0          | 0                  |        |              | 0          | 3 C              | CHASERS    |
| OO YOU OPERATE LASER  | 0            | 0                  |        |              | 0          |                  | 0          |
| S DO TOU TROUBLESHOOT -IRE CO                                     | 0            | 0                  |        |              | 0          | 0                | 0          |
| 519154 5157   |              |                    |        |              |            |                  |            |

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND 5 P C 0 O 0 5Pc 028 0 0 0 C 0000000000000 5PC 027 9 0 0 0 0000000000000 45 5PC 026 0 0 000000000000 0 0 GPSHZA PAGE 5PC 025 0 0 0 5PC 024 0 0 0 0 5PC 023 000000000 NNNDO 000000000000 0 0 0 0 T2-09 DO YOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF LASER OR REPLACE COMPONENT PARTS OF LASER R 10 ANGSTROMS (A)
R 10 ELECTROM ENERGY LEVELS
R 10 GROUND STATE
R 10 PACKET OF RADIATION
R 10 PHOTONS
R 10 PHOTONS
R 10 SPOWN ANEOUS EMISSION
R 10 STIMULATED EMISSION
R 10 COMERENCE OR INCOMERENCE
R 10 INVERSION LEVEL STSTEMS STORM TROUBLESHOOT TO COMPONENT PARTS OF LASER TOU TROUBLESHOOT HAJOR ASSEMBLIES OF LASER PET MARS ANSWAY TES FOR 376X1 DAFSE GRPS TASK GROUP SUNARY
PERCENT MEMBERS PERFORMING 12-10 00 YOU REHOVE USE 350 350 USE 3030 333333 72-11 00 72-12 00 72-13 00 72-15 00 72-16 00 72-17 00 72-18 00 72-18 00 72-20 00 72-20 00 72-20 00 SYSTEMS SYSTEMS SYSTEMS 11203 111193 711196 711199 711200 71200 11195 11202 11205 11192

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WITH PUMPING SOURCES

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TIZIO 17-25 DO TOU WORK MITH HALF SILVERED 1928 HEFLECTIVE!

HELICAL FLASHTUBES

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MIRRORS SHORALN

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BORK BITH HELIUM-XENDM WITH HELIUN-NEON

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DISPLAY TUBES 000000000 0000000000 00000 O 0 000000000 -0000 0 30 22220 76 000000000 \* 000000000 20 MAJOR ASSEMBLIES OR UNITS T3-08 DO TOU PERFORM TASKS THAT MAKE IT MECESSARY TO MAME THE WANTOUS ELEMENTS OF DVST 3-01 IN TOUR PRESENT JOB TO YOU WORK WITH DISPLAY TUBES. SUCH AS DIRECT VIEW STORAGE (DVST) OR HULTIFLE HODE 1242 TIZZA T3-37 DO YOU REMOVE OR REPLACE OVST OR MMST TUBES FROM T3-0% DO YOU ADJUST OR CALIBRATE DYST OR MMST T3-05 DO YOU DRERATE SYSTEMS THAT CONTAIN OVST OR T3-06 DO YOU TROUBLESHOOT OVST OR MMST TOU MORK WITH ARGON
TOU MORK MITH NEODYFIUM IN GLASS 72-34 00 YOU WORK WITH GALLIUM ARSENIDE WITH CESIUM-HELIUM DO TOU INSPECT DVST OR HMST 1860175 72-26 00 12-27 00 12-28 00 12-39 00 12-31 00 000 12-33 13-03 12-32 13-02 71213 71214 71215 11218 1,122 11224 11225 11217 71227

| PERCENT LENBERS PERFORMING                                |     |         |       |          |          |          |          |  |
|---|-----|---------|-------|----------|----------|----------|----------|--|
|   |     | SPC SP  |       | SPC      | SPC      | SPC      | SPC      |  |
| DY-15K  | 022 | 023 024 | 4 025 | 026      | 027      | 026      | 029      |  |
| 13-09 DO YOU PERFORM TASKS THAT MAKE IT MECESSARY TO MAME | r   | 9       | 2 6   | c        | 0        | c        | 0        |  |
| ELEMENTS OF MMST  |     |         |       | 3        |          |          |          |  |
| DO TOU PERFORM TASKS                                      | 1   |         |       | -        | 0        | 2        | 0        |  |
| T3-11 DO YOU PERFORM TASKS ON WRITE GUNS                  | 01  | 13      | 9 12  | -        | 0        | 2        | 0        |  |
|   | ~   | •       |       | 0        | 0        | 0        | 0        |  |
| 00  | 00  | =       | 8     | -        | 0        | 2        | 0        |  |
| ON STORAGE GRIC   | 1   | -       |       | 0        | o        | 0        | 0        |  |
| 2   | 92  | 30 26   | 42 9  | 7        | ٥        | 4        | a        |  |
|   |     |         | i     |          |          |          |          |  |
| מס אסה מסר            | 2 : |         |       | ~        | 0 :      | <b>J</b> | 0 0      | Chilmhadodd  |
| מיל                   | ,,  |         |       | 6        | <b>o</b> | ,        | <b>S</b> | DALLMANDON   |
| SO YOU USE OF REFER TO RESTORE IN                         | _ , | -       | -     | -        | 0        | 7        | 0        |  |
| 00 100 USE UR REFER TO 8-4-Z-1 S                          | 1   |         | 7     | -        | 0        | 7        | 0        |  |
| 00 100 USE OR PEFER 10                                    | ~   |         |       | -        | 0        | 2        | 0        |  |
| DO TOU USE OR PEFFR TO BILLARY SY                         | 9   | 17 16   | -     | 7        | 0        | 9        | 0        |  |
| DO 100 USE OF PEFER 10                                    | 1.2 | - 9-    | 1 12  | ~        | 0        | 3        | 0        |  |
| 00 100 USE OH PEFFR TO                                    | 71  | 25 2    | 6 1   | •        | 0        | 7        | ٥        |  |
| DO TOU USE OF PEFER TO AUGRESS WO                         | 23  | 27 2    | 5 24  | -        | 0        | ,        | 0        |  |
| DO TOU USE OF REFER TO ADDRESS/SU                         | 6   | 22      | 20    | •        | 0        | t        | 0        |  |
| 350 001 05  | *   | - 0     | 3 16  | •        | 0        | ,        | 0        |  |
| DO YOU USE ON REFER TO I                                  | 50  | 24      | 12    | ~        | 0        | #        | 0        |  |
| DO TOU PERFORM TASKS ON                                   | 0   |         | 01 6  | •        | 0        | 7        | 0        |  |
| DO TOU PERFORM TASKS ON                                   | 90  |         | 9     | ٦        | 0        | 3        | 0        |  |
| DO YOU PERFORM TASKS ON                                   | o   | 10 10   | •     | -        | 0        | 2        | 0        |  |
| 100   | .0  | 2       | •     | -        | 0        | •        | 0        |  |
| TASKS ON ARITHMET   | 1   |         | 8     | -        | 0        |          | 0        |  |
| YOU PERFORM TASKS ON CONTROL SE                           | •   | -       |       |          | 0        |          |          |  |
| TASKS ON OUTPUT DE  | 0   |         |       |          | c        |          | 0 0      |  |
| TOU PERFORM TASKS ON                                      | 10  |         |       |          |          |          |          |  |
| VOU USE DECIBELS TO F                                     | -   | 52 62   | 1     | a        | 00-      | 9        | 7        | AND DESCRIPTION OF THE PROPERTY OF THE PROPERT |
|   |     |         | ,     | 0        |          | 0        |          |  |
| JZ-02 DO YOU USE LOGAMITHMS TO COMPUTE DUTPUT POWER IN    | 30  | S       | 4     | *        | 0        | *        | -        |  |
|   |     |         |       |          | 1        |          | :        | DB AND POWER   |
| JZ-03 00 YOU USE LOGARITHMS TO COMPUTE ATTENDATION IN     | •   | •       | 0     | <b>3</b> | 0        | 91       | -        | RATIOS   |
| DECIBELS  |     |         |       |          |          |          |          |  |

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND 4 GPSHZB PAGE PRACENT MEMBENS ANSMEMING TEST TO EPI ITEMS OF CAFSC GROUPS IN THE 326XI CAREER LADDER. 326310 326310 326310 32631E 32631E 32631E REPORTS ON THE FOLLOWING GROUPS MERE REQUESTED HBRS ANSWING YES FOR 370X1 DAFSC GRPS 

| CURRENT, VOL CURRENT, VOL ERNATING AND PARALLE ATANTS; AND PELAYS AS, AND RELAYS AND RELAYS AND RELAYS TERS AND NUM ENS. AND  | 0   | Same Our of the Same of the Sa |     | 9          | 6P 5H 2B | PAGE | 0   | •   | A 1.R | AIR FORCE SYSTEMS COMMAND |
|--|-----|--|-----|------------|----------|------|-----|-----|-------|---------------------------|
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| AMPERS, POWER  AMPERS, AND ELECTRON TURES  AMPERS, AND ELECTRON TURES  CIRCUITS, SPECIAL  CIRCUITS, SPECIAL  CIRCUITS, SPECIAL  EMODYNING, MODULATION,  AND STREMS  AL GERERATORS,  AL GERERATORS,  AL GERERATORS,  TEACTORS,  TEACTORS | 7 7 | DICOES, TRANSISTORS, AND TR  | 75  | 69         | 7.5      | 14   |     |     | 82    | 87                        |
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| 15.  Recuits  80 85 80 76 72 100 78  Recuits  52 46 53 53 77 92 71  71  72  73  74  75  75  75  76  76  77  78  78  78  78  78  78  78   | 06  | COUNTER  | 4.7 | - '        | 9        | 2.5  | 25  | 11  | 0 0   | 0.7                       |
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| AND  54 38 57 61 74 69 73  5171VE  56 54 54 63 56 69 53  110NS  62 58 63 63 63 85 85 84  | r   | D DSCILLATOR   |     |            |          | 1,   | ,   | •   | 3     | 70                        |
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| 62 58 63 63 85 84  | 0   | FICES, AND SYCHARD VIBRATIONS  | 33  |            | 28       | 0.0  | 7.4 | 26  | 67    | 78                        |
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| 13-01   Do Tour View   Annual Control of Annua   | 7   | ET MBHS ANSWENG TES FOR 326XI DAFSC GRPS                                 |             | <b>a</b> . | SHZB       | PAGE                | 4   |            | AIA        | AIR FORCE  | AIR FORCE SYSTEMS COMMAND |
|--|-----|--|-------------|------------|------------|---------------------|-----|------------|------------|------------|---------------------------|
| SPEC SPEC SPEC SPEC SPEC SPEC SPEC SPEC  | S & | GROUP SUMMARY  |             |            |            |                     |     |            |            |            |                           |
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|  | ~   | DO YOU USE AN INSTRUMENT, SUCH AS METER OF AN                            | 18          | 9          | 83         | 9                   | 9.2 | 85         | •          | 8 2        |                           |
| 10   10   10   10   10   10   10   10  | 7   | AI-02 DO YOU USE A PUBLICATION, SUCH AS A TECHNICAL                      | 39          | 45         | 7          | 5.6                 | 62  | 5.         | 63         | 6.9        | MAINEMAILCS               |
| ALICON DO TOUR FILES OF EQUATIONS:  ALICON DO TOUR FILES OF EQUATIONS:  ALICON DO TOUR FILES OF EQUATIONS:  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS ITTE OF  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS ITTES:  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS TO THIS SHAPE  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS TO THIS SHAPE  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS TO THIS SHAPE  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS TO THIS SHAPE  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS TO THIS SHAPE  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS TO THIS SHAPE  ALICON DO TOUR SELECT NUMBERS TO LOCARITHMS TO THIS SHAPE  ALICON DO TOUR SELECT NUMBERS TO THIS SHAPE  ALICON DO TOUR SHAPE  ALICON DO TOUR SELECT NUMBERS TO THIS SHAPE  ALICON DO TOUR SHAPE  ALICON DO TO |     | DROEM OR MAINTENANCE MANUAL. IN WHICH IT IS NECESSARY                    |             | ,          |            |                     |     |            |            | ,          |                           |
|  | ~   | A1-03 DO YOU REARRANGE AND SOLVE FORMULAS OR EQUATIONS.                  | 22          | 27         | 53         | 9 1                 | 0   | 4 6        | 39         | 36         |                           |
| 1.00   0.70   CONVERT NUMBERS TO LOGARITAMS.   3   4   1   5   3   6   0   9   | 1 0 | DO YOU SOLVE FOR AN UNKNOWN GUA  | 20          | 1 6        | 22         | • •                 | 26  | 2 \$       | 5 ª        | 22         |                           |
| ALCORD DO USE L'OCATITIME TABLES IN ANY TIPE OF SECULOTION OF USE L'OCATITIME TABLES IN ANY TIPE OF SECULOTIONS.  ALCORD DO USE L'ENTREMENT SYSTEM HAITENESS IN ANY TIPES SOCH AS ADDING TO USE THE WALNUELL SYSTEM HAITENESS SOCH AS ADDING TO USE THE WALNUELL SYSTEM HAITENESS SOCH AS ADDING TO USE SUBTRACTING TWO VETTORS SUCH AS ADDING TO USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM MOUNTED THE TERM TOWN.  AZ-20 DO TOU USE THE TERM TOWN.   |     |  | e           | *          | -          | •                   | •   | 60         | 0          | ٠          |                           |
| A 1-09 DO TOU SQLEE GAADGATIC EQUATIONS.  A 1-09 DO TOU USE THE NATURAL SYSTEM WHEN STATES  A 1-19 DO TOU USE THE NATURAL SYSTEM WHEN STATES  A 1-10 DO TOU USE THE NATURAL SYSTEM WHEN STATES  B 1-10 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-11 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-11 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TENA WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TENA WORK WITH TAILSONOMETRIES, WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1-12 DO TOU WORK WITH TAILSONOMETRIES, SUCH AS ADDING  A 1 | 7   | DO YOU USE LOGARITHM TABLES IN ANY TYPE                                  | s           | •          | ~          | •                   | ,   | 00         | 7          | 13         |                           |
| 15   THE COSTITUE   THE NATURAL SYSTEM OF PLOBARITHMS   THE   THE COSTITUE   THE NATURAL SYSTEM OF PLOBARITHMS   THE   THE COSTITUE   THE NATURAL SYSTEM OF PLOBARITHMS   THE   THE COSTITUE   THE NATURAL SYSTEM OF PLOBARITHES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLOBARITHES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES, SUCH AS ADJING   THE   THE NATURAL SYSTEM OF PLANE FIGURES   THE   T   | α   | CALCOLATIONS.  | •           | •          | •          | -                   | •   | •          | c          | *          |                           |
| 15 THE LOGARIAM SYSTEM WHICH USES THE NUMBER 2.716 45  A1-10 DO TOU MONT WITH VECTOR QUANTITIES, SUCH AS ADDING  A1-11 DO TOU DOTON WERE THE MONTHER, SUCH AS ADDING  A1-12 DO TOU DETERMINE AREAS OF PLANE FIGURES, SUCH AS  A1-13 DO TOU DETERMINE AREAS OF PLANE FIGURES, SUCH AS  A1-13 DO TOU DETERMINE AREAS OF PLANE FIGURES, SUCH AS  A1-13 DO TOU DETERMINE AREAS OF PLANE FIGURES, SUCH AS  A1-14 DO TOU DETERMINE AREAS OF PLANE FIGURES, SUCH AS  A1-15 DO TOU DETERMINE AREAS OF PLANE FIGURES, SUCH AS  A1-15 DO TOU DETERMINE AREAS OF PLANE FIGURES, SUCH AS  A1-16 DO TOU USE THE TRAN VOLTAGE OF VOLTAGE  A1-17 DO TOU USE THE TRAN POLTAGE OF VOLTAGE  A1-19 DO TOU USE THE TRAN POLTAGE  A1-19 DO TOU USE THE TRAN POLTA | 0   | DO YOU USE THE NATURAL SYSTEM OF LOGARITHMS                              |             | *          | ~          | •                   | 0   | 0          | 0          | 0          |                           |
| A1-10 DO YOU WORK MITH YETON GUNNITIES, SUCH AS ADDING 7 4 6 111 7 15 6  |     | S THE LOGARITAM SYSTEM WHICH USES THE NUMBER 2.7                         |             |            |            |                     |     |            |            |            |                           |
| Single   Color   Col   | 0   | -10 DO YOU WORK WITH VECTOR QUANTITIES, SUCH AS                          |             | •          | •          | =                   | •   | -          | •          | •          |                           |
| \$SINE_1_COSINE_1_OR_TRAGERS_OF_PLANE_FIGURES_SUCH_AS_SUC      | =   | DO YOU BORK WITH TRIGONOMETRIC FUNCTIONS SUCH                            | 20          | 00         | 30         | 76                  | •   | 5          | œ          | •          |                           |
| A1-12 DO TOU DEFENHINE REEAS OF PLANE FIGURES, SUCH AS 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |     | COSINE. OR TANGENT.  |             |            |            |                     |     |            | -          |            |                           |
| A1-13 DO TOU SOLVE DR USE SIMULTANEOUS EQUATIONS.  A1-14 DO TOU SOLVE DR USE SIMULTANEOUS EQUATIONS.  A1-14 DO TOU SOLVE DR USE THE TERM POLITAGE OR VOLTAGE  A2-05 DO TOU USE THE TERM ELECTROMOTIVE FORCE (EMF).  A2-05 DO TOU USE THE TERM ELECTROMOTIVE FORCE (EMF).  A2-05 DO TOU USE THE TERM ELECTROMOTIVE FORCE (EMF).  A2-05 DO TOU USE THE TERM EDITROM.  A2-05 DO TOU USE THE TERM MPRER.  A2-06 DO TOU USE THE TERM MPRER.  A2-07 DO TOU USE THE TERM MPRER.  A2-08 DO TOU USE THE TERM MPRER.  A2-09 DO TOU USE THE TERM MPRER.  A3-09 DO TOU USE THE TERM THE THE TERM THE TERM THE TERM THE TERM THE THE TERM THE THE TERM THE THE TERM THE TERM THE TERM THE THE THE THE THE TERM THE THE THE THE THE THE THE THE TERM THE   | 7   | DO YOU DETERMINE AREAS OF PLANE FIGURES, SUCH A OF CIRCLES OR TRIANGLES. | 2           | 0          | 0          | 00                  | -   | 0          | ~          | 0          |                           |
| A 2-02 DO YOU USE THE TERM FLEETROMOTIVE FORCE (EMF).  A 2-03 DO YOU USE THE TERM FLEETROMOTIVE FORCE (EMF).  A 2-03 DO YOU USE THE TERM FLEETROMOTIVE FORCE (EMF).  A 2-03 DO YOU USE THE TERM FLEETROMOTIVE FORCE (EMF).  A 2-04 DO YOU USE THE TERM FLEETROMOTIVE FORCE (EMF).  A 2-05 DO YOU USE THE TERM FLEETROMOTIVE FORCE (EMF).  A 2-05 DO YOU USE THE TERM FLEETROMOTIVE FORCE (EMF).  A 2-06 DO YOU USE THE TERM FLEETROMOTIVE FORCE (EMF).  A 2-06 DO YOU USE THE TERM FLEETROMOTIVE.  A 2-06 DO YOU USE THE TERM FLEETROMOTIVE.  A 2-07 DO YOU USE THE TERM FLEETROMOTIVE.  A 2-08 DO YOU USE THE TERM FLEETROMOTIVE.  A 2-09 DO YOU USE THE TERM FLEETROMOTIVE.  A 2-09 DO YOU USE THE TERM FLEETROMOTIVE.  A 3-09 DO YOU USE THE TERM FLEETROMOTIVE.  A 4-09 DO YOU USE THE TERM FLEETROMOTIVE.  A 4-09 DO YOU YELD THE TERM FLEETROMOTIVE.  A 4-09 DO YOU YELL THE TERM FLEETROMOTIVE.  A 4-09 | 7   | DO TOU SOLVE OR USE SIMULTANEOUS   | •           | • :        | * :        | = :                 | ~ ; | 0          | * ;        | * !        |                           |
| A2-02 DO TOU USE THE TERM CECTROMOTIVE FORCE TEMFI.  | 7 4 | SO TOU SOLVE OR USE PROPORTIONS  | 25          | 200        | 100        | 000                 | 100 | 00-        | 100        | -          |                           |
| A2-04 DO TOU USE THE TERM OHN.  A2-04 DO TOU USE THE TERM ONN.  A2-05 DO TOU USE THE TERM AMPERE.  A2-06 DO TOU USE THE TERM AMPERE.  A2-07 DO TOU USE THE TERM AMPERE.  A2-08 DO TOU USE THE TERM AMPERE.  A2-09 DO TOU USE THE TERM MEUTRON.  A2-09 DO TOU USE THE TERM MEUTRON.  A3-01 DO TOU USE THE TERM MEUTRON.  A3-03 DO TOU USE THE TERM MEUTRON.  A3-04 DO TOU USE THE TERM PROTON.  A3-05 DO TOU USE THE TERM MEUTRON.  A3-05 DO TOU USE THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE MESISTORS.  A3-05 DO TOU WE DO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE DO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE MESISTORS.  A3-05 DO TOU WE WROTED THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WROTED THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WOURTH THE TERM TO TEMPERATURE COEFTICIENTS  A3-05 DO TOU WE WOURTH THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WESTERN TO TOU WE WANT THE TERM TO TEMPERATURE WE WANT TO TOU WE WANT THE TERM TO TEMPERATURE WE WAN |     | TO YOU USE THE TERM FLECTROHOTIVE FORCE                                  | 54          | 27         | 50         | 5 6 7               | 26  | 3.         | 52         | 76         |                           |
| 42-04 DO TOU USE THE TERM DYNE.  42-05 DO TOU USE THE TERM DYNE.  42-05 DO TOU USE THE TERM DETRE.  42-05 DO TOU USE THE TERM MEUTRON.  42-07 DO TOU USE THE TERM MEUTRON.  42-09 DO TOU USE THE TERM COULDMB.  43-01 DO TOU USE THE TERM COULDMB.  43-03 DO TOU USE THE TERM PROTON.  43-03 DO TOU USE THE TERM COULDMB.  43-03 DO TOU USE THE TERM COULDMB.  43-03 DO TOU USE THE TERM COULDMB.  43-03 DO TOU USE OF REFISTORS.  43-03 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS  43-03 DO TOU USE OF REFER | 1   | DO YOU USE THE TERM OHM.   | 41          | 100        | 9          | 100                 | 9.8 | 85         | 100        | 8.7        | DIRECT CHORENT            |
| A2-05 DO TOU USE THE TERM DYNE.  A2-05 DO TOU USE THE TERM MAPPER.  A2-07 DO TOU USE THE TERM MAPPER.  A2-07 DO TOU USE THE TERM COULDMB.  A2-07 DO TOU USE THE TERM COULDMB.  A2-09 DO TOU USE THE TERM COULDMB.  A3-09 DO TOU WORK MITH MESISTORS.  A3-09 DO TOU WORK MITH MAPPER MESISTORS.  A3-09 DO TOU WORK MITH MAPPER MESISTORS.  A3-09 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS  A3-09 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS  A3-09 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS  A3-09 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS  A3-09 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS  A3-09 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS  A3-09 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS  A3-09 DO TOU USE OF ROW TAPPED RESISTORS.  A3-09 DO TOU USE OF ROW TAPPED RESISTORS YOU  61 50 63 63 77 68 78 78 78 78 78 78 78 78 78 78 78 78 78  | 00  | DO TOU USE THE TERM  | 1           | •          | *          |                     | 0   | 5          | œ          | •          | AND VOLTAGE               |
| A2-07 DOU USE THE FRAM MEUTRON. A2-08 DO TOU USE THE FRAM MEUTRON. A2-08 DO TOU USE THE FRAM MEUTRON. A2-08 DO TOU USE THE FRAM MEUTRON. A3-09 DO TOU WORK mith RESISTORS. A3-01 DO TOU WORK mith RESISTORS. A3-03 DO TOU WORK mith RESISTORS. A3-04 DO TOU WORK mith RESISTORS. A3-05 DO TOU WORK WORK MITH RESISTORS. A3-05 DO TOU USE OF REFER TO TEMPERATURE COEFICIENTS FOR RESISTORS ON ANY TASKS IN YOUR SYMBOLS, SUCH AS A3-09 DO TOU USE OF REFER TO TEMPERATURE. A3-09 DO TOU USE OF REFER TO TEMPERATURE. A3-09 DO TOU USE OF REFER TO TEMPERATURE. A3-09 DO TOU USE OF ROTH TAPPED RESISTORS YOU. A3-09 DO TOU USE OF ROTH TAPPED RESISTORS YOU. A3-09 DO TOU USE OF ROTH TAPPED RESISTORS YOU. A3-09 DO TOU USE OF ROTH TAPPED RESISTORS YOU. A3-09 DO TOU USE OF ROTH TAPPED RESISTORS YOU.  | 0 0 | TO TOU USE THE TERM  | 6 4         | 0 0        | ~ *        | <b>6</b> 0 <b>3</b> | 8 5 |            | <b>3</b> 0 | 1 6        |                           |
| A2-08 DO 700 USE THE TERM COULDMB.  A3-07 DO 700 USE THE TERM PROTON.  A3-07 DO 700 USE THE TERM PROTON.  A3-07 DO 700 WORK THAT PROSISTORS.  A3-02 DO 700 WORK THAT PROSISTORS.  A3-03 DO 700 USE CHEAN RESISTORS.  A3-04 DO 700 LEAN RESISTORS.  A3-05 DO 700 LEAN RESISTORS.  A3-05 DO 700 USE CHEAN RESISTORS.  A3-05 DO 700 USE CHEAN REPLACE RESISTORS.  A3-05 DO 700 USE CHEAN TASKS IN YOUR PRESENT JOB.  A3-07 DO 700 USE OF REFER TO TEMPERATURE COEFFICIENTS  A3-07 DO 700 USE OF REFER TO TEMPERATURE COEFFICIENTS  A3-08 DO 700 USE OF REFER TO TEMPERATURE SUCH AS  A3-09 DO 700 USE OF RESISTORS SYBBOLS, SUCH AS  A3-09 DO 700 USE OF RESISTORS SYBBOLS  A3-09 DO 700 USE OF RESISTORS SYBBOLS  A4-05 DO 700 USE OF RESISTORS SYBBOLS  A4-05 DO 700 USE OF RES | 2 2 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                    | -           | 12         |            | 30                  | •   | 15         | •          | •          |                           |
| A2-09 DO YOU USE THE PROTON.  A3-01 DO YOU WERE TERM PROTON.  A3-01 DO YOU WORK "ITH PESISTORS IN YOUR PRESENT JOB. 79 65 81 79 65 84 78 80 84 78 80 84 78 80 80 70 10 10 10 10 10 10 10 10 10 10 10 10 10   | 22  | DO 100 USE THE TERM  | •           | 60         | •          | •                   | =   | 15         | 12         | •          |                           |
| A3-01 DO TOU MORK BITH MESSISTORS.  A3-03 DO TOU NAPER CESISTORS.  A3-03 DO TOU LEEAN RESISTORS.  A3-04 DO TOU CLEAN RESISTORS.  A3-05 DO TOU CHECK DANIE CRESISTORS.  A3-05 DO TOU CHECK DANIE CRESISTORS.  A3-05 DO TOU CHECK DANIE RESISTORS.  A3-05 DO TOU CHECK DANIE RESISTORS.  A3-07 DO TOU CHECK DANIE RESISTORS.  A3-07 DO TOU USE OF REFLET TO TEMPERATURE COEFFICIENTS  A3-07 DO TOU USE OF REFLET TO MESSISTORS SUCH AS  A3-09 DO TOU USE OF FOR TAPPED RESISTORS.  | 2   | DO YOU USE THE TERM PROTON.  | -           | 7          | 5          | =                   | 9   | 2          |            | •          |                           |
| A3-03 DO TOU LASTER RESISTORS.  A3-04 DO TOU ADJUST RESISTORS.  A3-05 DO TOU CHECK CHAIL VALUE OF RESISTORS.  A3-05 DO TOU CHECK CHAIL VALUE OF RESISTORS.  A3-05 DO TOU CHECK CHAIL VALUE OF RESISTORS.  A3-07 DO TOU CHECK CHAIL VALUE OF RESISTORS.  A3-07 DO TOU CHECK CHAIL VALUE OF RESISTORS.  A3-07 DO TOU USE OF REFER TO TEMPERATURE COEFFICIENTS  FOR RESISTORS OF FOR TAPPED RESISTORS.  A3-08 DO TOU USE OF REFER TO MESSISTORS.  A3-09 DO TOU USE OF REFER TO MESSISTORS.  |     | STATE OF THE TOTAL BITTH MESISTONS IN THE SEN                            |             | 0 0        | 9 9        |                     | 0 . |            |            | 0 0        |                           |
| A3-04 DO YOU ADJUST RESISTORS.  A3-05 DO YOU ADJUST RESISTORS.  A3-05 DO YOU ADJUST RESISTORS.  A3-05 DO YOU CHECK CHAIC VALUE OF RESISTORS.  A3-05 DO YOU CHECK CHAIC VALUE OF RESISTORS.  A3-07 DO YOU USE OF REFER TO TEMPERATURE COEFFICIENTS  FOR RESISTORS OF HOW PRESENT JOB.  A3-08 DO YOU USE OF REFER TO TEMPERATURES.  FOR FIXED RESISTORS OF FOR TAPPED RESISTORS.  A3-09 DO YOU USE OF RESISTORS.   | 5,0 | DO TOU LASTELL RESISTORS   | 0 -         |            | 0 4        | 7 0                 |     |            | 2.0        | 0 0        |                           |
| A3-05 DO TOU CHECK CHAIL VALUE OF RESISTORS.  A3-05 DO TOU REMOVE OR REPLACE RESISTORS.  A3-07 DO TOU VEE OF REFER TO TEMPERATURE COEFFICIENTS  A3-07 DO TOU USE OF REFER TO TEMPERATURE COEFFICIENTS  A3-08 DO TOU USE OF REFER TO MEDIA PRESENT JOBA.  FOR RESISTORS OF PREFER TO MESISTOR SYMBOLS, SUCH AS  FOR FIXED RESISTORS OR FOR TAPPED RESISTORS YOU  A3-09 DO TOU IDENTIFY OF CLASSIFY THE RESISTORS YOU  61 50 63 63 76 85 71  | 27  | 000  | 080         | 9          | 98         | 16                  | 06  | 11         | 42         |            | RESISTANCE                |
| A3-06 DO TOU REMOVE OR REPLACE RESISTORS.  A3-07 DO TOU USE OF REFER TO TEMPERATURE COEFFICIENTS 14 8 12 24 20 23 18 FOR RESISTORS OF MANY TASKS IN YOUR PRESENT JOB.  A3-08 DO TOU USE OF REFER TO MESISTORS YMBOLS, SUCH AS 68 50 72 71 84 85 80 FOR FIXED RESISTORS OR FOR TAPPED RESISTORS YOU 61 50 63 63 76 85 71  | 28  | סס נסט כאנכנ סאוול אירחנ   | 7.8         | 9          | 82         | 1.6                 | 79  | 6.9        | 9 2        | 7.8        |                           |
| A3-07 DO TOU USE OF REFER TO TEMPERATURE COEFFICIENTS 14 8 12 24 20 23 18 2 FOR RESISTORS ON ANY TASKS IN YOUR PRESENT JOB.  FOR RESISTORS ON ANY TASKS IN YOUR PRESENT JOB.  13-80 FOR USE ON PEFFER FOR TAPPED RESISTORS.  13-90 DO YOU : DENTIFY ON CLASSIFY THE RESISTORS YOU  | 52  | 00 400   | 69          | 20         | 73         | 7.4                 | 99  | 9          | 0.9        | 3.0        |                           |
| FOR RESISTORS ON ANY TASKS IN YOUR PRESENT JOBS. 43-08 DO TOU USE OF REFER TO HESISTOR SYMBOLES, SUCH AS 68 50 72 71 84 85 80 9 FOR FIXES THE SISTORS OR FOR TAPPED RESISTORS. 43-09 DO YOU SCENTIFY OF CLASSIFY THE RESISTORS YOU   | 0   | 00 400   | *_          |            | 12         | 7.4                 | 20  |            | α_         | 22         |                           |
| FOR FIXES RESISTORS OF FOR TAPPED RESISTORS. A3-39-30 TO YOU SENTIFY OF CLASSIFY THE RESISTORS YOU   | -   | DO YOU USE OF AFFER TO HESISTON SYMBOLS. SUCH                            |             | 5.0        | 72         | 7.1                 |     | 9          | 60         | •          |                           |
| 43-09-00 FOUL CENTIFY OF CLASSIFY THE RESISTORS YOU 61 50 63 63 76 85 71 8   | 1   | IXED RESISTORS OR FOR TAPPED RESISTORS.                                  |             |            | 1          |                     |     |            | ,          |            |                           |
|  | 32  | DO YOU TOENTIFY OF CLASSIFY THE RESISTORS YOU                            | -           | 20         | 63         | 63                  | 18  | 9 2        | 7.         | 83         |                           |

| Committee and definition of the committee of the committe |       |            |     |       |       |            |            |                 |
|--|-------|------------|-----|-------|-------|------------|------------|-----------------|
| TASK GROUP SUNHARY   |       |            |     |       |       |            |            |                 |
| PERCENT MEMBERS PERFORMING   |       |            |     |       |       |            |            |                 |
|  | 5 P C | 5PC<br>031 | SPC | SPC 9 | SPC 9 | SPC<br>035 | SPC<br>036 | SPC<br>037      |
|  |       |            |     |       |       | ;          |            |                 |
|  | 63    | 20         | 9   | 9 9   | 61    | 11         | 28         | .,              |
| 34 A3-11 DO YOU USE RESISTOR COLOR CODES MAICH INDICATE  | 20    | 35         | 0 7 | 63    | 6.8   | 69         | 67         | 7.0             |
| THE TOLERANCE OF RESISTORS.  |       |            | ,   |       |       | ;          |            |                 |
| 00 400   | ,     | •          | 1   | 20    | •     | 23         | 0          |                 |
| THE FAILURE RATE OF RESISTORS.   | •     | ď          | •   |       |       | •          | 1          | 0-              |
| 36 A3413 OF TOU TAKE DECISIONS IN THE TOU TOUR TOUR TOUR TOU   |       |            |     | 2     | 2     |            | 2          |                 |
|  | 16    | 7.3        | 1 8 | 4     | 0.6   | 85         | 26         | 8.7             |
| REPRESENT ANY OF THE FOLLOWING COMPCNENTS: BATTER  |       |            |     |       |       |            |            |                 |
| 38 43-15 DO YOU CALCULATE TOTAL PESISTA CE FOR SERIES  | 58    | 23         | 30  | 32    | 7     | 31         |            | 52              |
|  | "     | 5          | 23  | 26    | 5     | 3:         | 30         |                 |
| TOTAL CONNECT OF   |       |            | :   |       |       |            |            |                 |
| TESTSTITE CINCULATE THOUSINGS FOR  | 5.4   | 15         | 5.4 | 32    | 0,    | 36         | 30         | *3              |
| STATES RESISTIVE CIRCUITS.   |       |            |     |       |       |            |            |                 |
| ABOUT OF THE CALCULATE POWER DISSIPATION FOR   | 13    | 1.2        | 1.2 | •     | 30    | 23         | 52         | 4.3             |
| SERIES RESISTIVE CIPCUITS.   | ;     |            |     | 0     |       |            | :          | at 3            |
| 42 43-19 DO YOU CALCULATE TOTAL HESISTANCE FOR SERIES  | ,     |            | 63  | ,     | -     | 00         | •          |                 |
| PARALLER RESISTIVE CINCUITS.   | 61    | 1.2        | 50  | 2.1   | 36    | 23         | 3,         | •               |
| PAHALLEL HESISTIVE CIRCUITS.   |       |            |     |       |       |            | ;          |                 |
|  | 12    | 12         | 22  | 50    | 37    | 53         | 37         | 7,              |
| SERIES PARALLEL RESISTIVE CIRCUITS.  | •     | 1.2        | 50  | 2.1   | 34    | 23         | 35         | 39              |
| SEMIES PAPALLEL RESISTIVE CIRCUITS.  |       |            |     |       |       |            |            |                 |
| 46 43-23 00 TOU CALCULATE POMER DISSIPATION FOR SERIES   | 1.2   | •          | 13  | •     | 50    | 1.5        | 11         | 0.6             |
| PARALLEL RESISTIVE CIRCUITS.   |       | 1.2        | 27  | 30    | 38    | 1          | 35         | ••              |
| RESISTINE CINCUITS.  |       |            |     |       |       |            |            | 4               |
| THE AS-25 DU TOU CALCULATE TOTAL CURPENT FOR PARALLEL  | -     | •          | 50  | 5.    | 36    | 31         | 35         | 36              |
|  | 3.1   |            | 23  | 46    | 4     | 23         | 36         | 4.3             |
|  |       |            |     |       |       |            |            |                 |
| 53 A3-27 30 TOU CALCULATE INDIVIDUAL BRANCH CURRENTS FOR   | æ -   | æ          | 20  | 7.1   | 3.1   | ^          | 1.         | 36              |
| PAPALLEL RESISTIVE CIRCUITS.   |       |            |     |       | ;     |            | ,          |                 |
| 51 AB-26 00 YOU CALGULATE POMEN DISSIPATION FOR PANALLEL   | =     | 0          | 0   | 0     | 57    | 0          | ,,         | 25              |
| AESISTIAC CIACOLISA  | 9.8   | 20         | 8.8 | 3 00  | 9.2   | 20         | 3.5        | 10              |
| - H 4 0 2 0 C C C C C C C C C C C C C C C C C  | •     | *          | ,   | •     | -     | (0)        | O          | J               |
| 0 4 3 1 3 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6  | 99    | 9          | 6 6 |       | 6.5   | 8.5        | 100        |                 |
| 41-14 DO YOU REPAIR & JOLTHET  | 7     | •          | 2   | ٦     | -     | 00         | c          | MULTIMETER USES |
| 00 4 00 50-18 9  | •     | *          | ~   | ~     | -     |            | 0          | 9.              |
|  |       |            | •   | •     | •     |            |            |                 |

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PET HBHS ANSWRNG TES FOR 326X1 DAFSC GAPS

5 GPSM28 PAGE

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

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INDUCTORS AND
INDUCTIVE REACTANCE ALTERNATING CURRENT 5PC 2 2 2 2 2 2 2 0 0 0 0 -036 2000 7 2 12 0 27 5 PC 035 37.00 2 5 ~ 0 0 0 2 2 0 0 0 0 032 030 6 3 4 6 5 TERM PLAK TO PEAK VOLTAGE. 2-04 DO YOU USE ON REFER THE TERM MAVE LENGTH.
2-05 DO YOU USE ON REFER THE TERM INSTANDANCOUS VALUE.
2-06 DC YOU USE ON REFER THE TERM INSTANDANCOUS VALUE.
3-01 DO YOU WORK WITH INDUCTORS OR CIRCUITS CONTAINING INDUCTORS, CHOKES, OR CHOKE COILS IN TOUR PRESENT JOB. INDUCTANCE IS PROPORTIONAL TO THE SQUARE OF THE
THE INDUCTANCE OF A COIL IS DIRECTLY PROPORTIONAL TO THE
BO 33-14 DO TOU USE OR REFER TO THE GENERAL RULE THAT THE
BO 33-14 DO TOU USE OR REFER TO THE SENERAL RULE THAT
BI HADCTANCE OF A COIL IS INVERSELY PROPORTIONAL TO
BI 93-15 DO TOU USE OR REFER TO THE GENERAL RULE THAT THE
INDUCTANCE OF A COIL IS DIRECTLY PROPORTIONAL TO
BO 33-16 DO TOU CALCULATE INDUCTANCE FOR A PARTICULAR REFER TO COPPER LOSS IN INDUCTORS. REFER TO HYSTERESIS LOSS IN 11-08 DO YOU DIRECTLY USE A QUANTITY OF CHARGE CALLED A COULOMB. 84 83-18 DE YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN PARALLEL.

65 83-19 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN SENSEMBLEL CIAL INDUCTANCE FOR SENSEMBLEL CIALUTS.

86 83-20 DO YOU USE OR REEFR TO THE GENERAL RULE THAT CONTREMY LAGS VOLTAGE IN AC INDUCTOR CIRCUITS. 83-12 DO TOU USE OF PEFER TO THE GENERAL RULE THAT REFER TO INDUCTATCE.
REFER TO HENRIES.
REFER TO INDUCTIVE REACTANCE. 83-11 DO YOU USE OR REFER TO EDDY CURRENT LOSS IN INDUCTOR USING FORMULAS.
63 83-17 DG YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN SERIES. TERM EFFECTIVE 87 83-21 DO YOU CALCULATE INDUCTIVE REACTANCE. OH REPLACE INDUCTORS. YOU INSPECT INDUCTORS.
YOU CLEAN INDUCTORS.
TOU ADJUST INDUCTORS. READ SCHEMATICS. USE OR REFER THE CLEAN INDUCTORS. REFER TASK GHOUP SUNMARY
PERCENT MEMBERS PERFORMING 2444 REHOVE 83-10 00 TOU USE 100 USE INDUCTORS. NOUCTORS. 00 83-09 00 83-02 82-05 18

| TASK GROUP SUNHANY<br>PERCENT MENBERS PERFORMING   |            |            |            |       |                  |            |       |                      |
|--|------------|------------|------------|-------|------------------|------------|-------|----------------------|
| DY-15K   | 5PC<br>030 | SPC<br>031 | 5PC<br>032 | SPC 9 | SPC SP<br>034 03 | PC SPC     | C SPC |                      |
| 88 83-22 DO YOU USE ON REFER TO THE GENERAL RULE THAT  | æ          | 00         | 7          | Ξ     | 22               | 15         | 22 26 |                      |
| _  | 29         | •          | 30         | •     |                  |            | ,     |                      |
| SOT THE PARTY AND SOUTH THE PARTY AND THE PARTY OF THE PA | 24         |            | 23         |       |                  |            | , ,   |                      |
| B3-25 DO TOU MORK WITH RADIO FREQUENCY INDUCTORS   | 37         |            | 37         | 4.2   | 7 3              | 36         | 39 57 |                      |
| CAPACITORS OR CIRCUITS   | 89         | 69         | 99         | 11    |                  |            | 1     |                      |
| CONTRING CAPACITORS ON YOUR PAR  |            |            |            | j     |                  |            |       |                      |
| -02 DO TOU INSPECT CAPACI  | 69         | 90 0       |            | 1.    | 9                |            | •     | CAPACITORS AND       |
| 1 1 1 2 2 2 1 2 CLEAN  | 65         | - :        | 7,         | 35    | 7                | 0          | 2     | CAPACITIVE REACTANCE |
| 00 00 00 00 00 00 00 00 00 00 00 00 00   | 35         | 2          | 5 7        | 2 5   | •                | •          | 3 (   |                      |
| 10 10 10 10 10 10 10 10 10 10 10 10 10 1   | 0 .        | 3          | 0 0        | 20    | 6                | 0 0        | •     |                      |
| CITED TO YOU DESCRIPTION OF REPLY OF THE CAMPANE   | י ני       | 35         | 2 4        | 9 2   | 25               | 30         | 10 10 |                      |
| 9 CI-08 DO YOU USE OR REFER TO DISTRIBUTED CAPACITANCE   | 2          | , ,        | , 3        | o at  |                  |            | 0 -   |                      |
| -09 00 YOU USE OF REFER T  | . –        | 0          | -          | o C   | r c              |            | •     |                      |
| LECTRIC. TOU USE OR REFER TO FAMADS. MICROFARADS. OR   | *          | . 52       | . ;        | a d   |                  |            | •     |                      |
| PICOF APADS.   |            |            |            |       |                  |            |       |                      |
| 2 CI-11 DO YOU USE ON REFER TO CAPACITANCE.  | 5.4        | 38         | 22         | 9.5   | _                |            | 1     |                      |
| 3 CI-12 DO TOU USE OR REFER TO DIELECTRIC CONSTANT.  | •          | 0          | •          | ~     | :                | 20         | 12 13 |                      |
| USE OF PEFER TO MORKING VOLTAGE  | 56         | •          | 5.7        | 32    | •                |            | •     |                      |
| TIME   | *          | ,          | 3          | 4     | 3,               |            | •     |                      |
| 6 C1-15 00 YOU USE OR REFER TO CAPACIT   |            | •          |            |       | 0 0              | 2          | •     |                      |
| THE CAPACITORS YOU MORK WITH   | 9          | 82         | 4          | 7.1   | 72               | 2 4 2      | 1 83  |                      |
| -17 THE CAPACITORS YOU WORK MITH ARE IN AC CIPCUIT   | 4          | 5.8        | 9.8        | 99    | 100              |            | 1     |                      |
| THE CAPACITORS YOU MORK MITH ARE IN CIRCUITS   | 69         | 0          | 63         | 1.    |                  | ,          | -     |                      |
| C AND AC.  | •          | 7.         | •          | æ     |                  | •          | -     |                      |
| **ICH CIRCUITS.  |            |            |            |       |                  |            |       |                      |
| CAPACITON USING FORMULAS.  | -          | 0          |            | ~     | 7                | 10         | 0     |                      |
| 14 14 6 6 4 E HAL  | 0          | 0          | 0          | 0     | ,                | <b>3</b> 0 | •     |                      |
| USE ON REFER TO THE GENERAL RULE THAT T  | 0          | 0          | 0          | 0     | •                | 0          | 13    |                      |
| CAPACITANCE OF A CAPACITOR IS INVERSELY  |            |            |            |       | ,                |            |       |                      |
| 114 CI-23 DO YOU CALCULATE THE TOTAL CAPACITANCE OF  | 10         | æ          | ,          | =     | 13               |            | , 13  |                      |
| 115 CI-24 DO YOU CALCULATE THE TOTAL CAPACITANCE OF  | œ          | œ          | ,          | -     | :                | · or       |       |                      |
| CAPACITORS IN DARALLEL.  | ,          | ,          |            |       |                  |            | -     |                      |
| HE TOTAL CA  | 1          | •          | •          | -     | 13               | 1 5 1      | 2 13  |                      |
| LEL CIRCUITS.  | :          |            |            |       |                  |            |       |                      |
| מי בים היה היה היה היה היה היה היה היה היה ה   |            | 0          | *          |       | 87               | 7 67       | 30    |                      |

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND TRANSFORMERS 1 57 13 0 0 0 2000 \* 0 25 SPC 036 20 00 AF . . 35 . 5PC 035 5 31 2 5 23 53 2555 23 5 53 8 17 - 2 2 5 25 2 38 -GPSM2B PAGE SPC 033 54 4 50 32 6 9 9 5 • 9 9 2 • 53 50 . . 5PC 032 0 S . 0 40 - 2 2 2 5 40 ~ ~ 20200 55 : = 473 2 SPC 0 0 0 0 0 23 23 23 0 12 25 79790 . 4 42 AND MUTUAL INDUCTANCE (M).
C2-39 30 YOU USE THE SYMBOL FOR MUTUAL INDUCTANCE, M.
C2-10 30 YOU REFER TO OR USE THE COEFFICIENT OF COUPLING C2-08 DO YOU MAKE A DISTINCTION BETWEEN MUTUAL INDUCTION COMPRESSION ITRIMMER! CAPACITORS. MORK MITH PAPER CAPACITORS (FIXED). 208 BY MEASURING RESISTANCE.

CZ-ZI DO TOU CHECK TRANSFORMERS FOR SHORTED WINDINGS

BY MEASURING OUTFUT VOLTAGES.

CZ-ZZ DO YOU MEASURE RESISTANCE OF THAMSFORMER WINDINGS C2-02 DO YOU INSPECT THANSFORMERS.
C2-03 DO YOU CLEAN TRANSFORMERS.
C2-04 DO YOU ADJUST TRANSFORMERS.
C2-05 DO YOU ADJUST SHORE COMPLETE TRANSFORMERS.
C2-05 DO YOU REHOVE OR REPLACE COMPLETE TRANSFORMERS.
C2-07 DO YOU REHOVE OR REPLACE TRANSFORMERS. SUCH USING CURRENT OR VOLTAGE RATIOS.
CZ-IZ DO TOU REFER TO REFLECTED IMPEDANCE WHEN WORKING C2-19 DO YOU WORK HITH AUTCHANSFORMERS.

C2-15 DO YOU WORK HITH POWER TRANSFORMERS.

C2-16 DO YOU WORK HITH ADDIGO TRANSFORMERS.

C2-17 DO YOU WORK HITH RADIGO FREQUENCY TRANSFORMERS.

C2-18 DO YOU WORK HITH DON'T REMEMBER MAEN MORKING WITH THANSFORMERS.
CZ-11 DO YOU CALCULATE TURNS RATIOS FOR TRANSFORMERS . CZ-ZO DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS TO DETERMINE MHETHER A TRANSFORMER MAS A STEP-UP OR WORK WITH PAPER CAPACITORS (FIXED).
WORK WITH CERAMIC CAPACITORS (FIXED). WORK WITH TRANSFORMERS ON YOUR PRESENT CI-27 DO YOU USE OR REFER TO THE GENERAL RULE THAT CURRENT LEADS VOLTAGE IN AC CAPACITOR CIRCUITS.
CI-28 DO YOU USE OR REFER TO THE GENERAL RULE THAT CAPACITIVE REACTANCE IS INVERSELY PROPORTIONAL TO CHECK TRANSFORMERS FOR OPEN WINDINGS CZ-13 DO YOU CALCULATE IMPEDANCE INTERACTIONS FOR CI-29 DO YOU CALCULATE CAPACITIVE REACTANCE.
CI-30 DO YOU WORK WITH ROTOR-STATOR CAPACITORS 37641 DAFSC GRPS THE PRIMARY WINDING. 11 MEASURING RESISTANCE. PERCENT MEMBERS PERFORMING WITH TRANSFORMERS. PLT MB45 ANSWRAG YES FOR \*OF TRANSFORMERS. CAPACITORS. TRANSFORMER. 33333 100 C2-19 00 10U C 118 C1-27 16-10 26-15 61-33 C1-34 61-15 01-36 123 131 6 138 6 1 39 1 4 5 126 C 137 0 4 142 135 9.1 3

|  | HBHS ANSWENG TES FOR 326X1 DAFSC GRPS  |              | 5          |      |           | ,    |    |    | ,         |
|--|--|--------------|------------|------|-----------|------|----|----|-----------|
| Charles   Control   Cont   | CENT WENGENS PERFORMING  |              |            |      |           |      |    |    |           |
| CRAZZE DO TOU MERSOURE DUIDEUT VOLIDGE CF TRANSFORMERS TO LOS CREATED TO TOU MERSOURE DUIDEUT VOLIDGE CF TRANSFORMERS AS STEFAULD FOR STEP.  STANDS TOU MERSON TO THE BASIC TRANSFORMERS AS STEFAULD FOR THE MAINTENDERS AS ST | 0y-15k   | 5 P.C<br>030 |            |      |           |      |    |    |           |
| DETERMINE WAS TRANSFORMER HAS A STERMENT OF THE WAS TORDED TO THE  | C2-23 DO YOU HEASURE GUTPUT VOLTAGE OF THANSFORMERS T  | 5            | 20         | 90   | 13        |      |    |    |           |
| Cartion Continues   Cart   | DETERMINE HETHER A TRANSFORMER HAS A STEP-UP OR STEP-  | 65           | 42         | 10   | ~         | - 9  |    | ,  |           |
| CATE AND TO THE MENTAL THE CENTER TAP SCHEMATIC STHEOLS SO 31 51 61 48 38 47 57 75 75 75 75 75 75 75 75 75 75 75 75  | STABOLS FOR TAINSFORMERS.  |              |            | 0    |           | . ;  |    | ď  |           |
| Care   Park Stormers   Care    | CC25 DO TOO REFER TO THE HOUSENERS. SCHEMATIC STREET TO THE HOUSENERS. SCHEMATIC SYMBOLS FOR HE HOUSENERS. | 2 05         | : =        | . 15 |           | 0 00 |    |    |           |
| CAZZES DO TOU REFER TO THE ALM CORE SCHEMATIC STRBOLS  TOWN TRANSFORMERS.  CZ-ZES DO TOU REFER TO THE IRON CORE SCHEMATIC STRBOLS  SCHEMATIC STRBOLS FOR THANSFORMERS.  CZ-ZES DO TOU REFER TO THE COMBINATIONS OF THE ABOVE  CZ-ZES DO TOU REFER TO THE COMBINATIONS OF THE ABOVE  CZ-ZES DO TOU DETERMINE DAM REFER TO THE THE OF CORE IN  SCCALED DO TOU DETERMINE DAM REFER TO THE THE OF CORE IN  SCCALED DO TOU DETERMINE DAM REFER TO THE THE OF CORE IN  SCCALED DO TOU DETERMINE DAM REFER TO THE THE OF CORE IN  SCCALED DO TOU DETERMINE DAM REFER TO THE THE OF CORE IN  SCCALED DO TOU DETERMINE DAM REFER TO THE THE OF CORE IN  SCCALED DO TOU DETERMINE DAM REFER TO THE THE OF CORE IN  CZ-ZES DO TOU DETERMINE DAM REFER TO THE THE OF THE VETTAGE  CZ-ZES DO TOU DETERMINE DAM REFER TO THE THE OF THE VETTAGE  CZ-ZES DO TOU CALCULATE CURREN PS.  CZ-ZES DO TOU CALCULATE CURRENT DATIONS FOR TRANSFORMERS  SCCALED DO TOU CALCULATE CURRENT DATIONS FOR TRANSFORMERS  SCCALED DO TOU CALCULATE CURRENT DATIONS FOR TRANSFORMERS.  SCCALED DO TOU CALCULATE TO TERROLATE THANSFORMERS.  SCCALED DO TOU CALCULATE TO TERROLATE THANSFORMERS.  SCCALED DO TOU CALCULATE | FOR TRANSFORMENS.  | 25           | 31         | 4    | 7.0       | 5    |    | •  |           |
| FOR TRANSFORMENS.  CREATED TO THE 18CH CORE SCAFMIIC STUBOLS 31 15 35 32 41 38 49 43 39 42 50 10 MEETER TO THE 18CH CORESTORNES.  CREATED TO TOU MEETER TO THE COMBINATIONS OF THE ABOVE 47 27 55 42 46 38 49 43 50 10 10 MEETER TO THE COMBINATIONS OF THE ABOVE 18 17 32 24 15 24 30 49 43 50 10 MEETER TO THE STORNES.  CREATED TO TOU DETERMINE DAMAGE MELATIONS OF THE ABOVE THAT THE THAT STORNES TOU MORE TO THE STORNES OF THAT THE THAT STORNES TO MORE THAT THE THAT STORNES TO MORE THAT THE THAT STORNES TO MORE THAT STORNES TO MORE THAT THE THAT STORNES TO MORE THAT MO | FOR TRANSFORMERS. C2-25 DO YOU REFER TO THE AIR CORE SCHEMATIC STMBOL                                      | 30           | 5          | 34   | 32        | 34   | æ  |    |           |
| FIGURATION OF REFERENCE TO THE COMMINATIONS OF THE BROVE   | FOR TRANSFORMERS. C2-29 DO FOU REFER TO THE 180N CORE SCHEMATIC SYMBOL                                     | 3.1          | 1.5        | 35   | 32        | Ţ    |    | 9  |           |
| SCHEMITIC SYMBOLS FOR TRANSFORMERS.  SCHEMITIC SYMBOLS FOR TRANSFORMERS BETWEEN  SCOON DATE WHILE PHASE RELATIONS HERE BY SETTING TO THE TYPE OF CORE IN  SCOON DATE WHILE PHASE RELATIONS HERE TO THE TYPE OF CORE IN  TRANSFORMERS YOU MORN ACTIVE TO THE TYPE OF CORE IN  TRANSFORMERS YOU WORK IN EQUAL TO THE YOUT GETTING THE STORMERS SO THE STORMERS TO THE STORMERS T | FOR TRANSFORMERS.  | 4,           | 27         | 5.5  | 4.2       | 9    | 00 |    |           |
| SECONDANT AND PRIMARY VOLLAGES OF T.A.YSTORMERS USING  C2-13 DD 700 DETERMINE OR MERER TO THE TYPE OF CORE IN  C2-13 DD 700 DETERMINE OR MERER TO THE TYPE OF CORE IN  C2-13 DD 700 MERER 7 TO OR USE THE GENERAL PULE THAT THE  C2-13 DD 700 MERER 7 TO OR USE THE GENERAL PULE THAT THE  C2-13 DD 700 USE OR TRANSFORMERS  C2-13 DD 700 USE OR TRANSFORMERS  C2-13 DD 700 USE OR TRANSFORMERS  C2-14 DD 700 USE OR TRANSFORMERS  C2-15 DD 700 USE OR TREPRIATE TO PERPARATE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO PERPARATE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO PERPARATE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO PERPARATE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO PERPARATE TO THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO PERPARATE TO THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO PERPARATE TO THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR TREPRIATE TO THE THANSFORMER  C2-15 DD 700 USE OR | SCHEWATIC SYMBOLS FOR TRANSFORMERS.  | 20           | 1.5        | 1.7  | 32        | 24   | 25 |    |           |
| THE STORMERS YOU MGRAWAITH.  (2-3) 00 TOU NEER THE GENERAL RULE THAT THE TASTORMERS YOU MEREN TO EXAMINE THE SENERAL PULLE THAT THE THE STRONGER TO THE YOLTAGE TO TOU USE ON WEFFER TO STEP-UP ON STEP-50MM THAT STORMERS TO TOU USE ON WEFFER TO STEP-UP ON STEP-50MM THAT STORMERS TO TOU USE ON WEFFER TO STEP-UP ON STEP-50MM THAT STORMERS TO TOU USE ON WEFFER THAT TOO FOR TRANSFORMERS TO TOU CALCULATE CUMMER THAT TOO FOR TRANSFORMERS TO TOU CALCULATE CUMMER THANSFORMERS TO TOU CALCULATE CUMMER THANSFORMERS.  C2-36 DO TOU CALCULATE CUMMER THANSFORMERS TO TOU CALCULATE CUMMER THANSFORMERS.  C2-36 DO TOU CALCULATE CUMMER THANSFORMERS.  C2-36 DO TOU CALCULATE CUMMER THANSFORMERS.  C2-36 DO TOU THOUGHEST THANSFORMERS.  C2-36 DO TOU THOUGHEST THANSFORMERS.  C2-37 DO TOU THOUGHEST THANSFORMERS.  C2-38 DO TOU THOUGHEST THANSFORMERS.  C2-39 DO TOU THOUGHEST THANSFORMERS.  C2-30 DO TOU THOUGHEST THANSFORMERS.  C3-30 DO TOU THOUGH THANSFORMERS.  C3-30 DO TOU THOUG | SECONDARY AND PRIMARY VOLTAGES OF TRANSFORMERS USING   | ,            | <b>6</b> 0 | ۰    | <b>30</b> | 5    |    | -  |           |
| TURNS RATIO OF A TRANSFORMER IS EQUAL TO THE VCLTAGE  17 6 16 26 16 8 16 17  18 16 17  18 16 17  18 16 17  18 16 17  18 18 16 17  18 18 18 18  18 18 18  18 18 18  18 18 18  18 18 18  18 18 18  18 18 18 | THANSFORMERS YOU MORN AFTH.  | ,            | 7          | 1    | =         | *    |    | 80 |           |
| ### 105 FOR TRAISFORMERS.  C2-35 DO YOU CALCULATE CURRENT MATIOS FOR TRAISFORMERS  USING TURNS MATIOS.  C2-35 DO YOU CALCULATE CURRENT MATIOS FOR TRAISFORMERS  S23 DO 4 3 3 47 40 31 37 52 C2-36 DO YOU CALCULATE CURRENT MATIOS.  C2-37 DOES YOUR JOB INVOLVE ANY TASKS DEALING WITH 3 35 27 33 45 46 41 35 22 MATIOS.  C2-37 DOES YOUR JOB INVOLVE ANY TASKS DEALING WITH 3 35 27 33 45 46 31 35 22 MATIOS.  C2-36 DO YOU NAMED TO BE TRAISFORMERS.  C2-36 DO YOU CALCULATE CURRENT MATIOS FOR TRAISFORMERS.  C2-36 DO YOU CALCULATE COMPLETE 3 PHASE TRAISFORMERS.  C2-37 DO YOU REMOVE DR REPLACE COMPLETE 3 PHASE TRAISFORMER.  C2-40 DO YOU REMOVE DR REPLACE 3 PHASE TRAISFORMER.  C2-40 DO YOU REMOVE DR REPLACE 3 PHASE TRAISFORMER.  C2-40 DO YOU REMOVE DR REPLACE 3 PHASE TRAISFORMER.  C2-40 DO YOU REMOVE DR REPLACE 3 PHASE TRAISFORMER.  C2-40 DO YOU REMOVE DR REPERT TO PERMAYENT MAGNETS.  C3-60 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON REFER TO PERMAYENT MAGNETS.  C3-70 DO YOU USE ON YOU USE | TURNS HATTO OF A TRANSFORMER IS EQUAL TO THE   |              | 49         | 97   | 26        | 9    |    | -  |           |
| C2-36 DO TOU CALCULATE CURRENT GATIOS FOR TRANSFORMERS  C2-36 DO TOU CALCULATE CURRENT GATIOS FOR TRANSFORMERS  C2-36 DO TOU CALCULATE CURRENT GATIOS FOR TRANSFORMERS  C2-37 DO TOU CALCULATOR DOGS  C2-36 DO TOU LOST OF THANSFORMERS  C2-36 DO TOU LOST OF THANSFORMERS  C2-36 DO TOU GALOUST 3 PHASE TRANSFORMERS  C2-37 DO TOU GALOUST 3 PHASE TRANSFORMERS  C2-38 DO TOU GALOUST 3 PHASE TRANSFORMERS  C2-39 DO TOU GALOUST 3 PHASE TRANSFORMERS  C2-39 DO TOU GALOUST 3 PHASE TRANSFORMERS  C2-30 DO TOU GALOUST 3 PHASE TRANSFORMER  C2-30 DO  | RATIOS FOR TRAISFORMERS.   | s            | 0          | ۰    | •         | r    |    |    |           |
| USING TURKS RATIOS.  C2-37 DOES TOUR JOB INVOLVE ANY TASKS DEALING WITH 3 35 27 33 47 40 31 37 52  PALASE TRANSFORMERS.  PRASE TRANSFORMERS.  C2-36 DO TOU CLEAN OF LUBRICATE 3 PHASE TRANSFORMERS.  C2-36 DO TOU ADJUST 3 PHASE TRANSFORMERS.  C2-37 DO TOU AGGOVE OR REPLACE 3 PHASE TRANSFORMER.  C2-37 DO TOU AGGOVE OR REPLACE 3 PHASE TRANSFORMER.  C2-37 DO TOU USE ON REPER TO PERMANENT MAGNETS.  C3-37 DO TOU USE ON REFER TO PERMANENT MAGNETS.  C3-57 TOU USE ON REFER TO PERMANENT MAGNETS.   | USING TURNS ALIDS. C2-30 DO TOU CALCULATE CURRENT RATIOS FOR TRANSFORME                                    | • •          | ۵          |      | - ~       | • •  | ۵  |    |           |
| PALSE THANSFORMERS.  C2-36 DO TOU INSPECT J PHASE TRANSFORMERS.  C2-36 DO TOU INSPECT J PHASE TRANSFORMERS.  C2-36 DO TOU LOSPECT J PHASE TRANSFORMERS.  C2-37 DO TOU LOSPECT J PHASE TRANSFORMERS.  C2-37 DO TOU REMOVE OR REPLACE J PHASE TRANSFORMERS.  C2-37 DO TOU REMOVE OR REPLACE J PHASE TRANSFORMER J O 1 3 2 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | USING TURNS RATIOS. C2-37 DOES YOUR JOB INVOLVE ANY TASKS DEALING WITH                                     | 35           | 27         | 33   | 4.7       | 0,   |    |    |           |
| C2-39 DO YOU CLEAN OH LUBRICATE 3 PHASE TRANSFORMERS. 10 4 10 13 9 15 17 0 C2-39 DO YOU CLEAN OH LUBRICATE 3 PHASE TRANSFORMERS. 22 12 20 32 29 8 31 35 C2-41 DO YOU REMOVE OR REPLACE COMPLETE 3 PHASE C2-43 DO YOU REMOVE OR REPLACE 3 PHASE THANSFORMER 1 0 1 3 2 15 0 0 EARTS, SUCH AS A MINDING. PARTS, SUCH AS A MINDING. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT HAGNETS. C3-63 DO YOU USE OR REFER TO PERPLANENT. C4-64 DO YOU USE OR REFER TO PERPLANENT. C4-65 DO YOU USE OR PERPLANENT. C4-65 DO YOU USE  | PARSE TARASFORMERS.  |              |            | 33   | 4.5       | 34   |    |    |           |
| C2-+U DO TOU ADJUST 3 PHASE TRANSFORMERS.  C2-+U DO TOU REDUNE SMOOT 3 PHASE TRANSFORMERS.  C2-+U DO TOU REDUNE OR REPLACE COMPLETE 3 PHASE  C2-+U DO TOU REMOVE OR REPLACE 3 PHASE THANSFORMER  C2-+U DO TOU REMOVE OR REPLACE 3 PHASE THANSFORMER  C2-+U DO TOU REMOVE OR REPLACE 3 PHASE THANSFORMER  C3-+U DO TOU REMOVE OR REPER TO PERMANENT HAGNETS.  C3-+U DO TOU USE ON REFER TO PERMANENT HAGNETS.   | C2-39 30 YOU CLEAN OF LUBRICATE 3 PHASE TRANSFORMER  | 0            | •          | 01   | 13        | 0    |    |    |           |
| C2-41   D   TOU TROUBLESHOOT 3 PHASE TRANSFORMERS   Ze   Ze   Ze   Ze   Ze   3   3   3   3   3   3   3   3   3   | C2-40 DO 700 ADJUST 3 PHASE TRANSFORMERS.  | 2            |            | 0    | 80 9      | 13   |    |    |           |
| THENSFORMER.  C2-43 DO TOU PEMOVE OF REPLACE 3 PHASE THENSFORMER  PARTS, SUCH AS A MINDING.  C3-61 DO TOU USE OF REFER TO PERMANENT MAGNETS.  C3-62 DO TOU USE OF REFER TO PEMPORAFIT MAGNETS.  C3-63 DO TOU USE OF REFER TO METENTIVITY OF MAGNETIC.  3 O 5 3 5 15 4 0  MATERIALS.  | CZ-41 00 100 1800BLESHOOT 3 PHASE TRANSFO  | 30           |            | 98   | 262       | 28   |    |    |           |
| PARTS, SUCH AS A MINDING.  CINCI DG FOUNDS OF MERER TO PERHANENT MAGNETS.  CINCI DG FOUNDS OF MERER TO TEMPORARY MAGNETS.  CINCI DG FOUNDS OF MERER TO TEMPORARY MAGNETS.  SO S 3 S 15 4 O MATERIALS.  | THANSFOUNDER.  | -            | 0          |      | •         | ~    | ı, |    |           |
| C3-02 DO TOU USE OR REFER TO TEMPORARY MAGNETS.  3 0 5 3 5 15 4 0 MATERIALS.   | SOCH AS A PINDING.   | 36           | 12         | 0.5  | 3.4       | 24   |    | -  |           |
| CA-53 DO YOU USE ON METERATO METERATIVITY OF MACKETIC 3 G 5 3 5 15 4 0   | CITOS DO TOU USE OR REFER TO TEMPORARY MAGNETS   | 20           | 1.5        | 20   | **        |      |    |    |           |
| 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | CA-03 DO YOU USE OF PEFER TO RETENTIVITY OF MAGNE  | ~            | 0          | 2    | •         | w    |    |    |           |
| Casa do tou ase of Refer to Relociate of Table 116   | HATERIALS.   | ~            | 0          | v    | 0         | 4    | 23 | •  | ACT TAKEN |

| CT HORN ANSWARD TES FOR 326X1 DATEC GRAS   |       | GPSHZB  | 28 PAGE | 55         |            | A          | AIR FORCE SYSTEMS COMMAND |
|--|-------|---------|---------|------------|------------|------------|---------------------------|
| TASK GROUP SUMMARY<br>PERCENT MEMBERS PERFORMING   |       |         |         |            |            |            |                           |
| 07-15K   | SPC S | SPC SPC | C 5PC   | SPC<br>034 | SPC<br>035 | SPC<br>036 | SPC<br>037                |
| 175 C3-05 DO YOU USE OR REFER TO PERMEABILITY OF MAGNETIC  | ,     | +       | 9       | ٠          | 15         | •          | ٥                         |
| CATERIALS.   | ,     |         |         | •          | 2.3        | 3          |                           |
| USE OR REFER TO HAGNETIC   | •     | 7       | 4       | Ξ          | 7          | æ          | 13                        |
| 178 C3-08 DO YOU USE OR REFER TO WEBER'S THEORY OF   | -     | 0       | 0       | ٣          | 80         | 2          |                           |
| 179 C3-09 DO TOU USE OR REFER TO THE DOMAIN THEORY OF  | 2     | •       | 2 0     | •          | 15         | 0          | •                         |
| C3-10 DO YOU USE OR REFER TO MAGNETIC  | 01    |         |         | -          | 1.5        | 10         | 17                        |
| 181 C3-11 DO TOU USE OF REFER TO FLUX DENSITY.   | 52    | 2       | 5 29    | 788        | . ÷        | 25         | 22                        |
| MAGNETIC POLES, LIKE POLES REPEL AND UNLIKE POLES  |       |         |         |            |            |            |                           |
| C 183 (3-13 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE DIRECTION OF MACHETIC STRICK ANDULY STRICKT WIRES. | ,     | æ       | 9       | <b>*</b>   | 15         | -          | 2                         |
| SE THE LEFT THUMB RULE TO FIND   | s     | •       | 5 5     | 7          | 3          | œ          | 17                        |
| NORTH POLE OF A CURRENT CARRING COIL.  | 1.    | -       | 5 47    | 0.7        | 40         | 3          | 9                         |
| PRESENT JOB.<br>01-02 DO YOU USE OR REFER TO VECTORS WHEN WORKING  |       |         |         |            | 51         | · c        | P RCL CIRCUITS            |
| RCL CIRCUITS.  | -     | α       | ,       | ٠          | c          | ,          | •                         |
| MORKING MITH RC CIRCUITS.  |       |         | -       | •          |            |            |                           |
| RCL CIRCUITS.  |       | •       |         | ac         |            | <b>x</b> 0 |                           |
| D 189 DI-05 DO YOU USE OR REFER TO COSINE WHEN MORKING WITH RCL  | ,     | 2       | 11 5    | ,          | 60         | •          | •                         |
| S 190 DI-06 DO YOU USE OR REFER TO TANGENT WHEN BORKING MITH   | ,     |         | 5 11    | 1          | <b>a</b>   | •          | •                         |
| DIFIDI-07 DO TOU USE OR REFER TO MATTS WHEN WORKING WITH   | 1.8   | 1 5     | 7 21    | 29         | 23         | 29         | 06                        |
| (PT) #   | •     | 5       | -       | -          | 0          | •          | 22                        |
| SCRING WITH ACL CIRCUITS.  |       |         |         |            |            | :          |                           |
| WITH ACL CIRCUIS.  | =     | n       | n       |            | <u>.</u>   | -          | 7.7                       |
| 194 DI-10 DO TOU USE OR REFER TO AVERAGE POWER (PAVE) MHEN   | 91    | 2       | 2 24    | 22         | 23         | 22         | 22                        |
|  |       | S       | 5       | -          | •          | 18         | •                         |
| MORKING ATTA RCL CIRCUITS.   | •     | •       | -       | -          | •          | 9          |                           |
| NG WITH ACL CIRCUITS.  |       |         |         |            |            |            |                           |
| D 197 DI-13 DO YOU USE OR REFER TO RESONANT CIRCUITS AMEN-   | • -   | 91 5    | 62 9    | 5.0        | 1 2        | 35         | 22                        |
| 198 DI-14 DO YOU USE OR REFER TO BANDWIDTH MMEN MORKING MITH   | 52    | 9 22    | 2 37    |            |            | +          | 3.                        |
| PCL CIRCUITS.  | 12    | 6 17    | 7 32    | 34         | 38         | 35         | 30                        |
| V-1110011 100 1111   |       |         |         |            |            |            |                           |

| S E'SHRNG YES FOR 320XI DAPSC GAPS  |            |      | ,          |            |            |                |                  |            |
|---|------------|------|------------|------------|------------|----------------|------------------|------------|
|   |            |      |            |            |            |                |                  |            |
| PERCENT LEADERS PERFORMING  |            |      |            |            |            |                |                  |            |
| 251-20  | SPC<br>030 | 310  | SPC<br>032 | SPC<br>033 | 5PC<br>034 | SPC S<br>035 0 | SPC SF<br>036 03 | SPC<br>037 |
| DI-16 DO TOU USE OR REFER TO RESONANT FREQUENCY WHEN  | 27         | 6.   | 54         | 37         | 31         | 23             | 37               | 22         |
| NG WITH RCL CIRCUITS.   | 6-1        | 1 5  | 1.3        | 5.6        | 56         | 38             | 25               | 22         |
| MITH REL CIRCUITS.  | •          | •    | ~          | 5.4        | 32         | 23             | 37               | 26         |
| CIRCUIT & WHEN WO   | ,          | 1.2  | ď          | 40         | 11         | 15             | 1.8              | 1.1        |
| ACL CIRCUITS.   | 50         | -    | -          | 34         | 36         | 31             | 39               | 30         |
| RCL CIRCUITS.   | (5         | 0    | -          | œ          | -          | 0              | 2                | 0          |
| POSITE SI   |            | 0    | ٥          | o          | 2          | 0              | •                | 0          |
| VECTOR DIAGRAMS FOR CITCUITS.  VECTOR DIAGRAMS FOR CITCUITS.                                      | 2          | •    | 8          | O          | œ          | 15             | •                | 6          |
|   |            | c    | -          | 0          | S          | æ              | 2                | •          |
| J   |            | •    | -          | 0          | æ          | 15             | œ                |            |
| S FOR SERIES R  | -          | •    | 0          | 0          | s          | 51             | 2                | •          |
| CIRCUITS.   | -          | ,    | C          | 3          | •          | 15             | •                | ٥          |
| 1.5   |            | •    | O          | ٦          | •          | 00             | •                | •          |
| CIRCUITS. DI YOU CALCULATE POWER FACTORS (PF) FOR SERIES  |            | 0    | O          | 'n         | ,          | 1 5            | •                | •          |
| PCL CIPCUITS.   |            | •    | 0          | 0          | 1          | 0              | 10               | r          |
| CIRCUITS.<br>51-31 DG TOU CALCULATE IMPEDANCE ANGLES FOR PARALLEL                                 |            | 0    | 0          | 0          | •          | •              | 2                | •          |
|   |            | 0    | 0          | D          | •          | 0              | ,                | •          |
| CIRCUITS USING THE ASSUMED FOLTAGE METHOD. 01-33 DC YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL MC | ٠          | -    | 0          | 0          | •          | o              | •                | •          |
| T X X   | 27         | 7 12 | 2.9        | 37         | 32         | 23             | 35               | 30         |
| 01-35 DG YOU CHECK CAPACITORS USING SUBSTITUTION.   | -          | 2    | (          |            | 23         | <u>.</u>       | 52               | 22         |
| DI-16 DO YOU CHECK INDUCTORS USING OFFICESS.  |            | , ,  | 13         | à =        | 21         | - 5            | 22               | 22         |
| 200   |            |      |            | •          | c          | 0              | c                | 0          |
| CALCULATE RESONANT CALCULATE RESONANT CA  |            | •    | •          | -          | •          | 2.             | œ                | •          |
| RAL PULE  |            | •    | 2          | :          | -          | 5.             | 9                | •          |
| THE TORING IS NIVING THE TANGENT MAINTER AT THE   |            |      |            |            |            |                |                  |            |

PET MBHS ANSWRING YES FOR 326X1 DAFSE GRPS

SPSHZB PAGE 57

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMANY PERCENT MEMBERS PERFORMING

| 07*TSK  | 030 | 031 | 032      | 033        | 034 | 035      | 036        | 037                |
|---|-----|-----|----------|------------|-----|----------|------------|--------------------|
| DI=41 DO YOU USE OR REFER TO THE GENERAL RULE THAT  | •   | •   | 7        | 13         | 13  | 15       | <u>*</u>   | ٥                  |
| DO YOU USE OR HEFER TO THE GENERAL RULE   | 6-  | 6 1 | 17       | 54         | 22  | 3.8      | 20         | 1.7                |
| T OF THE  |     | •   |          |            | :   |          |            |                    |
| 70 0.   | ,   |     | •        | =          | 13  |          | 7          | 13                 |
|   | *   | 0   | ,        | œ          | _   | 5        | ,          | •                  |
| u   |     |     |          |            |     |          |            |                    |
| K alTh.   | 1.1 | 1.2 | 1.6      | 54         | 29  | 31       | 27         | 30                 |
| 10 3  |     |     |          |            |     |          |            |                    |
| 10  | *_  | 15  | <u>.</u> | 13         | 20  | 23       | 16         | 26 SEDIES AND      |
| 231 02-03 DO TOU WORK WITH, USE, OR REFER TO AVAILABLE  | -   | 0   | 60       | •          | •   | 80       | 9          | 13 PARALLES AND    |
|   |     |     |          |            |     |          |            | (TIME CONSTANTS)   |
| INTERVALS.  | 1   | *   | •        | =          | •   | <u>-</u> | <b>«</b> 0 | 9 (TIME CONSTANTS) |
| D2-05 DO TOU USE OF HEFER TO THE GENERAL PULE THAT A  | 10  | ,   | -        | -          |     |          |            |                    |
| CAPACITOR IS FULLY CHARGED TON DISCHARGED) AFTER FIVE   |     |     | :        | :          | :   | ;        | :          |                    |
| TOU USE OR REFER TO UNIVERSA  | -   | 0   |          | 3          | 2   | 30       | 0          | ,                  |
|   |     |     |          |            |     |          |            |                    |
| 2   | -   | •   | 0        | •          | •   | œ        | 3          | •                  |
| ES AF   |     |     |          |            |     |          |            |                    |
| THE TIME REGULATOR CIRCULT CURRENT OR COMPONENT   | -   | 0   | 7        | <b>e</b> 0 | œ   | 5        | œ          |                    |
| 5 70  | f   | 0   | -        |            | 9   | 90       | •          | ,                  |
| Ú   |     |     |          |            |     |          |            |                    |
| CAR DESIGNO FOUNDS ON REFER TO THE GENERAL RULE THAT COURTENT IN LA CIRCUITS REACHES ITS MINIMUM VALUE FOR  | v   | 0   | •        | 'n         | =   | 7        | •          | 1.3                |
| AS FILTERS ON   | 15  | 20  | 25       | 20         | 1   | 29       | 15         | 7.0                |
| • 0000 - 1000 - |     |     |          |            |     |          |            |                    |
| DATE DO TOU INSPECT FILTER CIRCUITS.  | 47  | •   | 46       | 20         | 2.  | 38       | 59         | 39 FILTERS         |
| D3-03 DO YOU CLEAN FILTER CIRCUITS.   | 22  | 12  | 27       | 8          | 7 9 | 23       | 33         | 13                 |
| v   | 80  | 27  | 1.1      | 9-         | 38  | *        | 37         | 30                 |
| DO YOU TROUBLESHOOT TO THE FILTER   | 37  | 23  | 39       | 4.2        | 46  | 3.8      | 45         | 5.2                |
| -   | 17  | *   | 50       | 34         | 31  | -        | 50         | 35                 |
| DOJ-07 DG YOU REMOVE OR REPLACE THE COMPLETE STUTE  | 7   | .,  |          |            |     | 7.5      |            |                    |
| מינו מינו המינו מי אביר ענד יחב ביחד בינ ביוריבי  | -   |     |          | -          | ,   | 4        | -          |                    |

| ENT MENDERS PERFORMING   |     |            |            |       |     |       |          |             |
|--|-----|------------|------------|-------|-----|-------|----------|-------------|
| 291-20   | 986 | SPC<br>031 | 5 P C      | 5 P.C | 5PC | SPC S | 5 26     | 037         |
|  | 1.0 | ,          | .,         | 32    | 54  | 23    | 24       | 20          |
| R CIRCUITS.  |     |            |            | 0     | 6.3 | 4     | 55       | 8.7         |
| SO YOU WORK ON LOW PASS FILTERS.   | 22  | 17         |            | 37    | 53  | 5.    | 55       | 1.0         |
| DO YOU WORK ON   | 25  | 6          | 25         | 37    | 89  | 5.4   | 7,1      | 7.0         |
| 3-11 DO YOU WORK ON BANDPASS FILLERS   | 50  | 12         | 11         | 34    | 7   | 38    | 45       | 13          |
| SO TOO BOX ON DON'T AF MEMBER THE PAGE   | 23  | 31         | 27         | =     | 16  | 15    | œ        | 13          |
| 2 DO TOU HORK ON GANDINELIEU FILTER  | 1 9 | 30         | *          | 34    | 52  | 3.    | 22       | 30          |
| C A STATE WOLLD'S THE TANK THE TOTAL OF THE STATE OF THE  | •   | *          | 12         | 32    | 23  | 36    | 50       | 22          |
| TO YOU WORK ATTE BILLERY WILLER  | 9 7 | *          | 01         | 37    | 54  | 38    | <b>a</b> | 200         |
| DON'T REMEMBER   | 28  | 38         | <u>.</u>   | 13    | 33  | 23    | 13       |             |
| R CONFIGURATIONS.  | 9.  | *          | 7          | 58    | 3,1 | ī     | 2.2      | 30          |
| TOUR WORK WITH.  | 6   | *          | 17         | *     | 32  | 23    | 24       | 7           |
| TOU MORE SERIES RESOURNIT CIRCUITS USED IN FILTERS   | 1.7 | 7          | 2          | 32    | 28  | 23    | 2.5      | 35          |
| H H H H  | 3   | 42         | ñ          | 23    | 28  | 51    | 3,1      | 26          |
| YOU WORK WITH.   | a   | 0          | a          | a     | νı  | 51    | 2        | •           |
| CAPACITANCE OF INDUCTANCE VALUES REGUIRED FOR STELLTIN   | 5   | 3.1        | 28         | 4.5   | 10  | 69    | 10       | 57          |
| 0 %  | 27  | 23         | 22         | 39    | 4   | 11    | 4.5      | 57          |
| CIRCUITRY THE CO   | 7.  | 2.3        | 00         | 30    | 38  | 23    | 39       | 43 COUPLING |
| DA SCHEMATIC DIAG  | 27  | 23         | 30         | 7     | 43  | 23    | ç        | 5.2         |
|  | 24  | -          | -          | 33    | 3.9 | 3.6   | 37       | 6.2         |
| THE RC COUPLING FUNCTION   | 22  | -          | <b>9</b> ~ | 37    | 3.6 | 38    | 35       | 35          |
| TALLOS DE PRESENCE CONTRACTOR SON THE SAME SAME CONTRACTOR AND THE PROPERTY OF THE PROPERTY CONTRACTOR AND THE CONTRACTOR AND T | 25  | 2.3        | 6.1        | 39    | 33  | 23    | 35       | 35          |
| THE THE TRANSFORMER COUPLI   |     | 2.3        | 90         | 33    | 39  | 4     | 33       | 9           |
| B E1-08 DO TOU MORK WITH DIRECTLY COUNTED CINCOLDS   | 23  | 23         | œ.         | 34    | 37  | 9     | 54       | œ.          |
| C19CUITS.  | 22  | -          | 1.6        | 37    | 31  | 16    | ř        | 30          |
| Clacults.  | 23  | 23         | 1.7        | 37    | 36  | 38    | 33       | 39          |
| #11CH 14P  | 1.2 | 1.5        | 12         |       | 23  | 5     | 5.2      | 11          |
| COUPLING CIRCUIT.  |     |            |            |       |     |       |          |             |

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| SOFT SOFT STREET |            |       |                    |       |              |                |       |               |
|--|------------|-------|--------------------|-------|--------------|----------------|-------|---------------|
| 0 0 4 1 1 5 X  | 5PC 9      | SPC S | SPC SPC<br>032 033 | 3 034 | SPC<br>4 035 | C 5PC<br>5 036 | S 037 |               |
| YOU USE OR REFER TO STHER RELAY SYMBOLS SCHEMATIC  | 5          | 20    | 52 6               | 63 49 | 8 62         | 2 47           | 48    |               |
| FOR RELATS YOU CHECK ELECTRICAL CONTINUITY OF COILS BY   | 0          | 38    | 5 1 5              | 53 52 |              | 38 49          | 62    |               |
| MEASURING RESISTANCE FILED FOR DOT TO THE ANY TASKS DEALING  | -          | 0     | -                  | 3     | 3            | 0              | 7     |               |
|  |            |       |                    |       |              |                |       |               |
|  |            | 0     |                    | , .   |              |                |       |               |
| YOU CLEAR MICHOPHONES  |            | 0 0   | - 0                |       |              | 0 0            |       | MICKUPHONES   |
| TROUBLESHOOT AS FAR AS CHECKING  | -          | 0     | -                  | 0     | -            |                |       |               |
| BUT DO NOT TROUBLESHOOT DOWN TO  |            |       |                    |       |              |                |       |               |
| TROUBLE SHOOT DOWN TO MICROP   |            | 0 0   |                    |       | 0.           |                | 0 1   |               |
| TOUR BEHOVE ON METERS CONTINUED BANKS  |            | 0     | . 0                |       |              |                |       |               |
| PERCHANCE TANKS ON CARRON MICRO  | . 0        | 0     | . 0                | 0     |              |                |       |               |
| PEHFORM TASKS ON CAPACITO  | 0          | 0     | 0                  | 0     | _            |                |       |               |
| YOU PERFORM TASKS ON CHYSTAL   | 0          | 0     | 0                  |       |              |                |       |               |
| PERFORM TASKS ON DYNAMIC MICROPH   | <b></b> c  | 0 0   | c                  | 00    | 2 -          | co or          | 0.0   |               |
| ERFORM TASKS ON VELOCITY MISBON MICKON   |            |       |                    | -     | 1            | -              | 1     |               |
| IN TOUR PRESENT JOB. DO TOU PERFORM ANT LASKS DEALING<br>SPEAKERS  | 9          |       | 5                  |       |              |                | -     |               |
| G TOU INSPECT SPEAKERS   | 0          | 0     | 0                  | 0     |              | 0              | 2     | SDEAKERS      |
| CLEAN S  | 0          | 0     | 0                  |       | m :          |                |       | 1             |
| TOUR DESCRIPTION OF THE PROPERTY OF THE PROPER | 0          | 0     | 0 0                |       | . ~          |                |       |               |
| BUT DO NOT TROUBLESHOOT DOWN TO COM  | ,          |       |                    |       |              |                |       |               |
| TOU TROUBLESHOOT DOWN TO SPEAKE  | 0          | 0     | 0                  |       | 0            |                | 0     |               |
| REMOVE OR REPLACE COMPLETE   | 0          | 0     | 0                  |       | 2            |                |       |               |
| REHOVE OR REPLACE SPEAKER PAR  | 0          | 0     | 0                  | 1     | 0            | -              | -     |               |
| PERFORM ANY TASKS  | <b>o</b> c | 0 0   | 0 0                | 0 0   | <b>c</b> -   | <b>5 c</b>     | 0 0   |               |
| ANT LASKS ON STEAMEN   | <b>o</b> c |       | , c                |       | . c          |                |       |               |
| PERSONN ANY TASKS ON SPEAKER VOICE   | 0          | 0     | , 0                |       |              |                |       |               |
| PERFORM ANY TASKS ON SPEAKER PERMAN  | 0          | 0     | 0                  |       | 0            |                |       |               |
| PERFORM ANY TASKS ON SPEAKER FLEFTFOMAGNETS  | 0          | 0     | 0                  |       | 0            |                |       |               |
| PERFORM ANY TASKS ON SPEAKER   | 0          | 0     | 0                  |       |              |                |       |               |
| USE USCILLOSCOPES IN YOUR PRESENT JOB  | 93         | 88    |                    |       |              | 01 58          | 16 0  |               |
| USE OSCILLOSCOPES  | 40         | 11    |                    | 7     |              | •              | •     |               |
| FIND 30 FOL USE OSCILLOSCOPES TO PEFFORM ALIGNMENTS OR   | 18         | 69    | 82                 | 76 8  |              | S              | 92 83 | OSCILLOSCOPES |
| 90000  | 7.8        | 64    | 7                  | 6     | c            | 9 58           | 2 67  |               |
| מאב מאבוררמאנמעני זמ ואממשרני אממו ברבני מאו   |            |       |                    |       | ,            |                | •     |               |
| USE OSCILLOSCOPES TO MEASURE   | 693        | - 6   |                    | ~ .   | •            |                |       |               |
| THE TALL AND THE CT AND CONTRACT TO AND UNITED THE   |            | 73    | 89                 | 0     | 2 8          | 2              | 8     |               |

| SPECIAL RECORD   SPECIAL SCORES   SPEC   | ANSWERS TES FOR 376XI DATSC GRPS   |          | 9   | SHZB F   | PAGE | 19  |     | AIR FU | AIR FURCE SYSTEMS COMMAND |
|--|--|----------|-----|----------|------|-----|-----|--------|---------------------------|
| SPC  | UP SUMMERY<br>EMBERS PERFORMING  |          |     |          |      |     |     |        |                           |
| RVE SIGNALS MAILE  SS 3 36 55 58 57 69 55 57  REQUENCY OR TIME  SS 3 36 55 58 57 69 55 57  RVERS AS OFFICE CONTROLS  RAD DC MAIL CONTROLS  RAD D | Dr-TSk   |          |     |          |      |     |     |        |                           |
| FREQUENCY OR TIME 53 36 46 86 67 67 87 87 87 87 87 88 88 68 68 67 87 87 87 88 88 88 68 68 87 87 87 87 88 88 88 88 88 88 87 87 87   | OSCILLOSCOPES TO OBSERVE LISADOUS PATTERN  | 54       | 27  | 54       | 54   |     |     |        |                           |
| FREQUENCY OR THE 53 38 55 58 57 69 55 57 89 18 18 18 18 18 18 18 18 18 18 18 18 18   | KVE SIGNALS  | 78       | 73  | 4        | 89   | •   |     |        |                           |
| 700 USE 05CILLOSCOPES 10 MESSURE R VOLLAGE  ATTER FIRST LOUGES 10 MESSURE RR OSTATE  TOUR USE OSTILLOSCOPES 10 MESSURE RR OSTATE  TOUR USE OSTILLOSCOPES 10 MESSURE RR OSTATE  TOUR CHECK DIORES  UNDER FIRST LEVEL DIAGRAM'S INTOUR MORK WITH IS 10 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | FREQUENCY  | 53       | 3.6 | 55       | 5.8  | 23  |     |        |                           |
| ### 1790 USE OSCILLOSCOPES TO MEASURE CONTROLS ### 1781 STATE ### 179 STALLOSCOPES TO MEASURE CONTROLS ### 1781 STALLOSCOPES TO MEASURE DC VOLLAGE ### 1782 STALLOSCOPES TO MEASURE DISCOPED TO ### 1783 STALLOSCOPED TO ### | YOU USE OSCILLOSCOPES TO MEASURE AC  | 9.8      | 18  | 06       | 82   | 90  |     |        |                           |
| TOU USE CREEKET DIODES IN TOUR PRESENT 66 56 64 76 77 69 76 83  TOU NORK WITH SEMICONDUCTUR DIODES IN TOUR PRESENT 66 56 64 76 77 69 76 83  TOU NORK WITH SEMICONDUCTUR DIODES IN TOUR PRESENT 66 56 64 76 77 69 76 83  TOU NORK WITH SEMICONDUCTUR DIODES IN TOUR PRESENT 66 56 64 76 77 69 76 83  TOU CHEEN DIODES USING AN INSTRUMENT 5 10 15 66 63 54 57 63  TOU CHEEN DIODES USING AN INSTRUMENT 5 10 1 0 1 0 2 0 2 4  WITH VALUES OF FORMARD DIODE WARRENES. 1 0 1 0 1 0 2 0 2 4  WITH VALUES OF FORMARD DIODES AS OPPOSED TO 49 35 47 63 60 16 31 12 17  TOU USE ON PRESENT OF THE GALFARIL ETWALE.  TOU USE ON PRESENT TO THE GALFARIL ETWALE.  TOU DENTIFY SEMICONDUCTOR DIODES AS OPPOSED TO 49 35 47 63 60 46 59 70  ECTRONIC COPPOSEDTS. SUTH AS RESISTANCE OF AN 4 5 3 10 6 10 13  TOU USE ON PRESENT TO THE GALFARIL ETWALE AND 4 4 5 3 10 6 10 13  TOU USE ON PRESENT TO THE GALFARIL ETWALE AND 4 4 5 3 10 6 10 13  TOU USE ON PRESENT TO THE GALFARIL ETWALE AND 4 4 5 3 10 6 10 13  TOU USE ON PRESENT TO THE GALFARIL ETWALE AND 4 4 5 3 10 6 10 13  TOU USE ON PRESENT TO CENTRICAL FORCE OF AN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | DO YOU USE OSCILLOSCOPES TO MEASURE OR OBSERVE   | 59       | 20  | 5.8      | 89   | 12  |     |        |                           |
| STATEMENT   STAT   | APTER FIRST ABJUSTING THE GAIN AND DC BAL CONTROL<br>YOU USE OSCILLOSCOPES TO MEASURE DC VOLTAGE | 9        | 11  | 60       | 82   | 63  |     |        |                           |
| STEUMENT   | DO YOU MORK WITH SEMICONDUCTOR DIDDES IN YOUR  | 99       | 5.8 | 1 0      | 76   |     |     |        |                           |
| FILTUMENT    STATEMENT   STATE | 1104 00  | .,       | 7.5 |          |      |     |     |        |                           |
| STEVENT   STEATH   STEATH   STEATH   STEATH   STEATH   STEAT   STEATH   S   | 00 100   | 0 2      | 0 0 | 23       |      | 57  |     |        | DIODES                    |
| RACTERISTIC CURVES, 1 0 1 0 2 0 2 1 1 0 1 1 0 2 0 2 1 1 0 1 1 0 2 0 2  | 100  | 219      | 31  | 51       | 99   | 63  |     |        |                           |
| FRITH VALUES OF FORMARD AND REVERSE BIAS VOLTAGE.  FO YOU USE OF REFER TO THE GENERAL BULE THAT  TOU USE OF REFER TO THE GENERAL BULE THAT  TOU USE OF REFER TO THE GENERAL BULE THAT  TOU USE OF REFER TO THE GENERAL BULE THAT  TOU USE OF REFER TO THE GENERAL BULE THAT  TOU USE OF REFER TO THE GENERAL BULE THAT  TOU USE OF REFER TO DETERMINE THE GENERAL  TOU USE OF REFER TO BOT YOU DETERMINE THE GENERAL  TOU USE OF REFER TO BOT YOU DETERMINE THE GENERAL  TOU USE OF REFER TO BOT YOU DETERMINE THE GENERAL  TOU USE OF REFER TO BOT YOU GENERAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL FORCE OF AN  TOU USE OF REFER TO CENTRIPETAL ENERGY OF AN ELECTRON  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF REFER TO WINDER OF ELECTRONS IN A  TOU USE OF TOUR TOTAL WINDER OF THE TOW USE OF THE TOW  | U YOU USE ENERGY LEVEL DIAGRAMS IN YOUR HORK WIT   |          | 0   | 0        | r    |     |     |        |                           |
| EVERSE   BIAS VOLTAGE   Co.    | 0100ES<br>1-06 DO YOU USE PN JUNCTION DIDDE CHARACTERISTIC CHRISE.                               | -        | c   |          |      | ,   | c   |        |                           |
| 12       12       12       13       14       15       15       15       15       15       15       15       16       16       17       18       17       18       17       18       18       18       19       10       10       11       12       14       15       14       16       17       18       18       19       10       10       11       12       14       15       16       16       17       18 <td>ETHER WITH VALUES OF FORMARD AND REVERSE BIAS VOLTAGE.</td> <td></td> <td>,</td> <td></td> <td>0</td> <td>,</td> <td>0</td> <td></td> <td></td>  | ETHER WITH VALUES OF FORMARD AND REVERSE BIAS VOLTAGE.   |          | ,   |          | 0    | ,   | 0   |        |                           |
| AL FULE THAT  OF DIODES  OF DIODES  OF STORMS OF OSED TO  RESISTORS, BASED ON  H S 3 10 6 10  RESISTORS, BASED ON  H S 3 10 6 10  NTS OF FORWARD BIAS  OR CODING  AL FORCE OF AN  O 0 0 0 1 0 2  BERING SYSTEM, SUCH  SERING SYSTEM, SUCH  SERING SYSTEM, SUCH  O 0 0 0 0 0 0 0 2  ENERGY OF AN  O 0 0 0 0 0 0 2  ENERGY OF AN  O 0 0 0 0 0 0 2  O T T T T T T T T T T T T T T T T T T   | 17 00 TOU COMPUTE FORWARD OR REVERSE BIAS RESISTANCE FOR   | Ŋ        | 0   | S        | 80   | 9.  | _   |        |                           |
| OF DIODES OF DIODES OF STORMS OF THE STORMS OF THE STORMS OF STORMS OF CORNARD BIAS OF THE STORMS OF |  | 31       | 5 ! | 3.       | 39   | 3   |     |        |                           |
| NES OF FORMARD BIAS 31 23 33 34 46 36 46 59 10 10 10 10 10 10 10 10 10 10 10 10 10   | DIODES   |          | ;   |          |      |     |     |        |                           |
| INE THE GENERAL     4     5     3     10     6     10       MTS OF FORWARD BIAS     31     23     33     34     46     36     45       OR CODING     17     15     14     24     23     15     16       AL FORCE OF AN     0     0     0     0     1     0     2       AL FORCE OF AN     0     0     0     0     1     0     2       BERING SYSTEM, SUCH     36     15     39     45     43     31     39       NERGY OF AN ELECTRON     0     0     0     0     0     0     2       WIS OF REVERSE BIAS     32     23     33     37     41     31     41       ELECTRONS IN A     1     4     0     0     0     0     0     0     2  | RESISTORS, RISED   | <b>?</b> | ç   | ,        | 63   | 0 9 |     |        |                           |
| OR CODING  OR CODING  17 15 14 24 23 15 16  AL FORCE OF AN 0 0 0 1 0 2  AL FORCE OF AN 0 0 0 0 1 0 2  BERNAG SYSTEM, SUCH 36 15 39 45 43 31 39  NERGY OF AN ELECTHON 0 0 0 0 2 8 2  ENERGY OF AN 0 0 0 0 0 1 0 2  NTS OF REVERSE BIAS 32 23 33 37 41 31 41  ELECTRONS IN A 1 4 0 0 0 0 0 0 0   | THE GENERAL  | *        | •   | s        | •    | 01  |     |        |                           |
| OR CODING     17     15     14     24     23     15     16       AL FORCE OF AN     0     0     0     0     1     0     2       AL FORCE OF AN     0     0     0     0     1     0     2       BERING SYSTEM, SUCH     36     15     39     45     43     31     39       NERGY OF AN ELECTHON     0     0     0     0     2     8     2       NTS OF REVERSE BIAS     32     23     33     37     41     31     41       ELECTRONS IN A     1     4     0     0     1     0     2       LE ENERGY LEVELS OF     0     0     0     0     0     0     0   | OF FORMARD BIA   | ĩ        | 23  | 33       | 34   |     |     |        |                           |
| AL FORCE OF AN 0 0 0 0 1 0 2 AL FORCE OF AN 0 0 0 0 1 0 2 BERNAG SYSTEM, SUCH 36 15 39 45 43 31 30 NERGY OF AN ELECTRON 0 0 0 0 2 8 2 ENERGY OF AN ELECTRON 0 0 0 0 1 0 2 HTS OF REVERSE BIAS 32 23 33 37 41 31 41 ELECTRONS IN A 1 4 0 0 1 0 2 LE ENERGY LEVELS OF 0 0 0 0 0 0 0  | CODING   | 1.1      | 15  | <b>*</b> | .2   | 23  | 1.5 |        |                           |
| AL FORCE OF AN     0     0     0     1     0     2       BERING SYSTEM, SUCH     36     15     39     45     43     31     39       NERGY OF AN ELECTRON     0     0     0     0     2     8     2       ENERGY OF AN     0     0     0     0     1     0     2       HTS OF REVERSE BIAS     32     23     33     37     41     31     41       ELECTROMS IN A     1     4     0     0     1     0     2       LE ENERGY LEVELS OF     0     0     0     0     0     0     0     0  | FORCE OF   | 0        | 0   | 0        | 0    | -   | 0   |        |                           |
| BERING SYSTEM, SUCH     36     15     39     45     43     31     39       NERGY OF AN ELECTRON     0     0     0     2     8     2       ENERGY OF AN ASSOF REVERSE BIAS     32     23     33     37     41     31     41       ELECTRONS IN A     1     4     0     0     1     0     2       LE ENERGY LEVELS OF     0     0     0     0     0     0     0  | USE OR MERER TO CENTRIPETAL FORCE OF   | 0        | 0   | 0        | 0    | -   | 0   |        |                           |
| NERGY OF AN ELECTRON     0     0     0     2     8     2       ENERGY OF AN     0     0     0     0     1     0     2       HTS OF REVERSE BIAS     32     23     33     37     41     31     41     4       ELECTRONS IN A     1     4     0     0     1     0     2       LE ENERGY LEVELS OF     0     0     0     0     0     0     0  | USE OR REFER TO DIODE NUMBERING SYSTEM.  | 36       | 5 - | 39       | 45   | 4.3 | _   |        |                           |
| ENERGY OF AN 0 0 0 0 1 0 2  HTS OF REVERSE BIAS 32 23 33 37 41 31 41 4  ELECTRONS IN A 1 9 0 0 1 0 2  LE ENERGY LEVELS OF 0 0 0 0 0 0 0  | OR REFER TO KINETIC ENFRGY OF AN   | o        | 0   | c        | c    | •   | œ   |        |                           |
| ENERGY OF AN O O O O O I D 2 2 3 3 3 3 4 3 4 4 4 4 5 6 ELECTROMS IN A I 4 0 O I O 2 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6  |  |          |     | ,        | ,    |     | ,   |        |                           |
| ELECTRONS IN A 1 4 0 0 1 0 2  LE ENERGY LEVELS OF 0 0 0 0 0 0 0 0  | UN REFER TO POTENTIAL ENERGY OF A  | o        | 0   | 0        | 0    | _   | 0   |        |                           |
| ELECTRONS IN A 1 4 0 0 1 0 2   | OR REFER TO MEASUREMENTS OF REVERSE  | 32       | 53  | 33       | 37   | -   | _   | •      |                           |
| LE ENERGY LEVELS OF 0 0 0 0 0 0 0  | NUMBER OF ELECTRONS !  | -        |     | 0        | 0    | -   | 0   |        |                           |
|  | LE ENERGY LEVELS   | o        | 0   | 0        | 0    | 0   | 0   |        |                           |

| Same solid in the day of  |                    | ,     |            |              |            |            |     |
|---|--------------------|-------|------------|--------------|------------|------------|-----|
| 200   |                    |       |            |              |            |            |     |
| TASK GROUP SUNKANT  |                    |       |            |              |            |            |     |
|   | SPC SPC<br>030 031 | 5 SPC | SPC<br>033 | 5 PC<br>0 34 | 035 0      | 036 03     | 037 |
|   | 0                  | c     | 0          | 0            | 0          | a          | 0   |
| באנוס מו  |                    |       |            | •            | o          | 4          | 0   |
| GI-22 DO YOU USE OR REFER TO VALENCE ELECTRONS (THOSE IN              |                    | 2     |            | 1            |            |            | (   |
| THE DUTERMOST SHELL!  | -                  | •     | 6          | -            | 0          | 2          |     |
| ELECTRONS IN ATOM ) CONTRE DIOCE ANICH                                | 47 3               | 31 49 | 53         | 09           | 4 0        | 53         | 83  |
|   | 1                  | 80    | 11         | ,            | 0          | 3          | 11  |
|   | ž                  | 4     | 21         | 32           | 9          | 24         | 43  |
| TO KNOW THAT SEMICONDUCTORS MAYE NEGATION                             |                    |       |            | =            | 0          | 7          | 13  |
| GI-27 DO YOU USE ON REFER TO PA JUNCTION DIDDE                        |                    |       |            | . !          | 1          | 3          |     |
| 110N 0100E  | 31                 | 23 30 | 37         | 7            | 0          | -          | ,,, |
| FORMARD BIASED OR REVERSE BIASED WHEN YOU READ OR                     | -                  | •     | 0 0        | -            | 0          | 2          | O   |
|   | 0                  | 0     | 0          | -            | œ          | c          | 0   |
| GI-30 DO YOU USE OR REFER TO FORBIDDEN BAND IN                        |                    |       |            |              | c          | c          | ā   |
| SI-31 DO YOU USE OF REFER TO CONDUCTION BAND IN                       | 0                  | ,     |            |              |            |            |     |
| SEMICONDUCTOR MATERIALS   | -                  | ,     | 0          | 0            | 0          | С          | 9   |
| SEMICONDUCTOR MATERIALS   | -                  | •     | 0          | 0            | 0          | o          | 0   |
| SENIONOUTORS OF WEER TO FLECTRON FLOW OR HOLE FLOW IN                 | 'n                 |       | 5 5        | œ            | o          | <b>a</b> 0 | 13  |
| 0. 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                              | -                  | 0     | 0          | 0 6          | 0          | c          | 0   |
| GI-35 DO TOU USE UP PEREN TO DOZON IMPUNI                             | -                  | 0     | 0          | 0            | a          | 63         | 0   |
|   | 0,                 | 0     | 91 0       | 1.7          | 1 5        |            | 20  |
| DY REFER TO   | 0                  |       | -          | -            | 15         | -          | 26  |
| GILLING DO YOU USE ON METERN TO NATIONALLY CARRIERS IN                | 2                  |       | _          | 3 2          | 00         | 2          | 0   |
| SETTONOCIONES OF SETTONOCIONES  | 2                  |       | -          | 3 2          | <b>a</b> 0 | 2          | 0   |
| SETICONDUCTORS  | 0                  | 0     | 0          | 0            | 0          | 0          | o   |
| 200000000000000000000000000000000000000                               | ,                  | •     | 2          | 3 2          | O          | 2          | 7   |
| GI-42 DO TOU USE OF PEFER TO DEPLETION ACCIONATE SENTENCIONOMINE AETH | 6                  | ,     | -          | -            | 0          | 6          | •   |
|   |                    |       |            |              |            |            |     |

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND TRANSISTORS SPC 037 22 ~ 30 50 30 25 22 0 4 4 30 26 39 5PC 036 0 œ 0 7 53 53 0 0 40 25 0 67 5 ¥ 5 6 0 23 90 2 5 6 9 62 36 3.8 36 38 38 5 PC 57 2 -1 = = 700 GPSHZB PAGE SPC 033 45 = 53 = = 53 -99 5 PC 27 5 0 42 0 4 D D C T SPC 27 0 13 6 390 ī 0 9 1 1550 7 17 5.8 50 = 20 0 TRANSISTOR BASE CURRENT 18 IS NORMALLY SIGNIFICANTLY

#19 6Z=16 DG YOU USE THE INFORMATION THAT THE EFFECT OF EMITTER

#26 5Z=17 DG YOU USE THE GURRENT IS THE CONTROLLING FACTOR FOR

#26 6Z=17 DG YOU USE THE GURRENT FOR THAT LEARAGE CURRENT

(1080) IN A TRANSISTOR INFRESES AS TEMPERATURE INCREASES

#21 6Z=18 DG YOU USE OR REFER TO TRANSISTOR CHARACTERISTIC 401 G1-48 DO YOU USE OF REFER TO PEAK RECURRENT FORMARD CURRENT 403 GI-50 DO YOU USE OR REFER TO PEAK REVERSE (INVERSE) VOLTAGE 404 GZ-01 DG 700 MGRK MITH TRANSISTORS IN YOUR PRESENT JOB.
405 GZ-02 DG 700 INSPECT TRANSISTORS
406 GZ-03 DG 700 REMOVE OR REPLACE TRANSISTORS
407 GZ-04 DG 700 CHECK TRANSISTORS USING AN INSTRUMENT
408 GZ-05 DG 700 USE OR REFER TO ENTITER - BASE (EB) FORMARD
409 GZ-06 DG 700 USE OR REFER TO COLLECTOR - BASE (CB) FORWARD
409 GZ-06 DG 700 USE OR REFER TO COLLECTOR - BASE (CB) FORWARD
409 GZ-06 DG 700 USE OR REFER TO COLLECTOR - BASE (CB) FORWARD OR REFER TO TRANSISTOR SCREWATIC STRBOLS OR REFER TO TRANSISTOR NOTATION SUCK AS 411 62-08 DO YOU USE OR REFER TO HOW BIASING AFFECTS THE PHYSICAL BATRIER WIDTH OF THE EMITTER - BASE JUNCTION 412 62-07 DO YOU USE OR REFER TO HOW BIASING AFFECTS THE PHYSICAL BARRIER WIDTH OF THE COLLECTOR - BASE JUNCTION 413 62-10 DO YOU USE OR REFER TO THE PHYSICAL SIZE OF THE TRAUSISTOR STRUCTURE (COLLECTOR, BASE AND EMITTER) 402 GI-49 DO TOU USE OR REFER TO MAXIMUM SURGE CURRENT DIODE G 418 GZ-15 50 TOU USE OF PEFER TO THE GENERAL RULE THAT THE G 410 G2-07 DO YOU USE OR REFER TO EMITTER - COLLECTOR (EC.) JAFORNATION 400 GI-47 DO YOU USE OR REFER TO MAXIMUM AVERAGE FOHWARD CURRENT DIODE RATINGS ETC USE OF REFER TO TRANSISTOR SUBSTITUTION 397 G1-44 DO YOU USE OR REFER TO THE 10:1 BACK TO FRONT RESISTANCE RATIO FOR DIODES
398 G1-45 DO YOU USE OR REFER TO BARRIER HEIGHT IN 399 GI-46 DO YOU USE OR REFER TO DIDDE SUBSTITUTION THE MARKS ANSWENCE TES FOR 326X1 DAFSE GRPS RESISTANCE MEASUREMENTS TRANSISTOR STRUCTURE TASK GROUP SUMMARY PERCENT HEMBERS PERFORMING 415 GZ-12 DO 70U USE 416 GZ-13 DO 70U USE SEMICONDUCTORS DIODE RATINGS DIODE RATINGS 417 62-14 50 700 NEUTARFORK! TRANSISTOR RATINGS

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| TASK GHOUP SUMMARY PERFORMING                                 |            |      |       |         |            |           |       |               |
|---|------------|------|-------|---------|------------|-----------|-------|---------------|
| X7-75K  | SPC<br>030 | SPC  | 5PC 9 | 5PC 033 | SPC<br>034 | SPC 5     | 5PC 3 | 5PC<br>037    |
| ATHE OT WHEFER TO HETA  | s          | 7    | ~     | =       | œ          | æ         | 10    | •             |
| 62-20 DO YOU USE OF HEFFR TO ALPHA TRANSISTOR                 | 2          | ,    | 2     |         | œ          | <b>20</b> | 01    | •             |
| GZ-Z1 DO YOU USE OR HEFER TO GAMM                             | *          | •    | ~     | 00 .    | ۲.         | æ c       | ac t  | 7 3           |
| 62-22   | • •        | 00   |       | n vo    | - 0        | 0         | 0 0   | . 0           |
| DO YOU CALCULATE GAMMA TRANSISTOR                             | -          | 0    | -     | 3       | 0          | a         | 0     | 0             |
| 63-01 DO YOU NORK WITH TRANSISTOR AMPLIF                      | 4 0        | 38   | 45    | 99      | 63         | 62        | 59    | 74            |
| PRESENT JOB   | 7          | 38   | 36    | 53      | 5.1        | 9         | 47    | 1,4           |
| OF THE ALTER OF ADJUST TRANSISTOR                             | 31         | 2.3  | 88    | 42      | 99         | , r.      | 4.0   | 74 TRANSISTOR |
| STATE OF TOO TROUBLESTOOT TO THE AMPLIANT                     | 33         | 6 -  | 30    | 1,1     | æ          | 9         | 4.5   |               |
| 63-05 DO YOU TROUBLESHOOT TO AMPLIFIER COMPONENTS             | 6          | 00 9 | 11    | 32      | 36         | * :       | ~ 1   | 39            |
| 63-06 DO YOU REMOVE OR MEPLACE THE COMP                       | 7 .        | 36   | 36    | 63      | £ :        |           |       | , ,           |
| 63-07 DO YOU REMOVE OR REPLACE AMPLIFIER COMPONENTS           |            | 7 .  | 9 ~   | 75      | 25         | 0 00      | 22    | 26            |
| A CLASS OF SACR   | 2          | :    |       | 2       |            |           |       |               |
| 43. 63-69 DO YOU USE OF REFER TO (COMMON ENTITER) THE         | 3          | 0    | 2     | 00      | 6          | 31        | **    | 0             |
|   | •          | Œ    |       | -       | 23         | 31        | 1     | 26            |
| •   |            |      |       |         |            | ;         |       |               |
| 438 63-11 DO TOU USE ON HEFEN TO COMMON ENTITENT THE          |            |      | ,     | 0       | 0          |           |       |               |
| 111   | 1          | æ    | 1     |         | 20         | 38        | 9     | 17            |
| BASE CURRENT WHICH RESULTS FROM AN IND                        | 2          | o    | -     | s       | œ          | 23        | 3     | •             |
| CALCULATIONS NECESSARY TO MEASURE                             | -          | ,    | c     | c       | ,          | æ         |       | a             |
| THE GALLY GO TOU USE THE LOAD-LINE METHOD OF AMALTSIS IN TOUR |            |      | ,     | •       |            | ,         |       |               |
| ATING POINT O   | S          | ,    | *     | 80      |            | 1.5       | 1 2   | ٥             |
| COJESCENT POLICE FOR A TRANSISTOR                             |            | *    | 0     | ~       | ~          | 00        | ~     | ٥             |
| ALSISTOR  |            |      |       |         |            |           |       |               |
| 444 63-17 DO TOU MEASURE FOLTAGE GAIN USED IN THE COMMON      | 13         | D    | -     | 92      | 30         | 38        | 52    | 35            |
| ,   | 1          | o    | s     | 00      | 2.2        | 31        | 5.4   | 13            |
| 3   |            |      |       |         |            |           |       |               |
|   | 1          | 0    | S     | 9       | 23         | 23        | 11    | 26            |
| ETITIES CONTIGURATION   | -          | O    | 0     | S       | •          | 00        | 1     | 0             |
| SISTONS USING A FORMULA THAT IS, GO TOU DIVIDE THE            |            |      |       |         |            |           |       |               |

AF HUMAN RESOURCES LABORATORY

| SPC  | PET MBRS ANSHRIG TES FOR 326X1 DAFSC GRPS  |      | 3   | GPSHZB     | PAGE       | 9 9   |      | -   | AIR FORCE SYSTEMS COMMAND |
|--|--|------|-----|------------|------------|-------|------|-----|---------------------------|
| F A 0 0 0 0 0 3 8 4 4 1 15 1 15 1 16 10 10 10 10 10 10 10 10 10 10 10 10 10  | TASK GROUP SUNMARY<br>PERCENT MEMBERS PERFORMING   |      |     |            |            |       |      |     |                           |
| F A  | DY-15K   | 5 PC | SPC | 5PC<br>032 | 5PC<br>033 | 5 P.C | 5 PC | SPC | 245<br>245                |
| THE  15  16  17  18  19  19  19  19  19  19  19  19  19  | FOR SPECIFIC   | 0    | 0   | 0          | 0          | •     | æ    | *   | 0                         |
| THE  15  | FOR A SPECIFIC   | 0    | 0   | 0          | 0          | 1     | 00   | 1   | 0                         |
| F A G G G G C Z 8 Z 2 3 1 2 2 2 2 2 2 3 1 2 2 2 2 2 2 3 2 2 2 2  | OU NEED TO KNOW THAT HORE COLLECTOR CURRENT IS   | ~    | 0   | 7          | s          | =     | 5    | 9   | 0                         |
| E TO   | D WITH LESS COLLECTOR VOLTAGE AS TEMPERATURE<br>TOU COMPUTE THE STATIC OPERATING POINT (93 OF A            | 0    | 0   | 0          | 0          | ~     | æ    | ~   | 0                         |
| ETO 13 8 10 24 23 31 20 21 TO 14 4 11 26 23 31 24 ETO 14 8 11 24 25 31 24 ETO 14 8 11 24 25 31 24 ETO 16 4 8 16 22 38 20 ETO 10 4 8 16 29 26 38 20 ETO 10 4 8 16 29 26 38 20 ETO 16 0 16 29 26 38 20 ETO 175 16 0 16 29 26 38 25 ETO 175 16 0 19 29 26 38 25 ETO 175 16 0 19 29 26 38 25 ETO 176 18 0 19 29 26 38 25 ETO 176 18 0 19 29 26 38 25 ETO 176 18 0 19 29 20 20 38 25 ETO 176 18 0 19 29 20 20 38 25 ETO 176 18 0 19 20 20 20 31 20 ETO 176 18 0 19 20 20 20 20 20 20 20 20 20 20 20 20 20 |  | -    | 00  | 01         | 5.4        | 5.4   | 3.   | 23  | 26                        |
| ETO 14 4 11 26 23 31 22 ETO 14 8 11 24 75 31 24 ETO 14 8 11 24 25 31 24 ETO 10 4 8 16 22 38 20  TTO 10 4 8 16 29 26 38 24  TTO 10 4 8 16 29 26 38 27  TTS 16 0 16 29 26 38 27  TTS 16 0 16 29 26 38 25  TTS 16 0 19 29 26 38 25  TTS 18 0 19 29 26 36 25  TTS 18 0 19 29 26 36 25  TTE 13 0 13 21 23 38 27   | SSOCIATED WITH   | 13   | 00  | 0          | 54         | 23    | 3.1  | 20  | 2.6                       |
| E TO   | SSOCIATED  | 7    | *   | =          | 3.6        | 23    | 5    | 22  | 23                        |
| E TO   | THE COMPONENTS ASSOCIATED MITHOUN SCHEMATIC DIAGRAMS AND PELATE  | *    | 00  | Ξ          | 24         | 75    | 3.1  | 54  | 26                        |
| TTO 10 4 8 16 22 38 20<br>MTS 16 0 16 29 26 38 24<br>MTS 16 0 16 29 25 38 20<br>MTS 16 0 19 29 26 38 25<br>MTS 18 0 19 29 26 38 25  | THE COMPONENTS ASSOCIATED MITHOUN SCHEMATIC DIAGRAMS AND RELATE  | *    | •0  | Ξ          | 3.5        | 24    | 3.1  | 74  | 22                        |
| VTS 16 0 16 29 26 38 24 110N 16 0 16 29 26 38 27 475 16 0 16 29 25 38 25 475 16 0 19 29 26 38 25 475 18 0 19 29 26 38 25 475 13 0 13 21 23 38 27 THE 13 0 12 24 24 24 23 24 THE 13 0 12 24 24 24 24 24   | SSOCIATED WITH   | 2    | •   | σ0         | •          | 22    | 38   | 50  | 1,                        |
| VTS 16 0 16 29 26 38 22<br>VTS 16 0 16 29 25 38 26<br>VTS 18 0 19 29 26 38 25<br>VTS 18 0 19 29 26 38 25<br>VTS 13 0 13 21 23 38 27<br>VTS 13 0 13 21 23 38 27<br>VTS 13 0 13 21 23 38 27<br>VTS 16 4 16 34 28 23 27   | L CIRCUITRY THE COMPONENTS ASSOCIATED WITH OU TROUBLESHOOT CIRCUITS MHICH MAVE COMPONENTS                  | •    | 0   | •          | 5.6        | 26    | 38   | 74  | 26                        |
| VTS 16 0 16 29 25 38 20<br>VTS 18 0 19 29 26 38 25<br>VTS 18 0 19 29 26 36 25<br>VTS 13 0 13 21 23 38 27<br>VTS 18 4 16 34 28 23 27<br>VTHE 13 0 12 24 24 31 24  | FORM EMITTER (SMAMPING) RESISTOR STABILIZATION OU TROUBLESHOOT CIRCUITS MAICH HAVE COMPONENTS              | •    | 0   | •          | 29         | 26    | 38   | 22  | 0.6                       |
| TTS  |  | -    | 0   | •          | 5.6        | 52    | 38   | 20  | 30                        |
| 475 18 0 19 29 26 36 25<br>475 13 0 13 21 23 38 27<br>570R 18 4 16 34 28 23 27<br>THE 13 0 12 24 24 31 24  | FORM THERMISTOR STABILIZATION<br>FOU TROUBLESHOOT CIRCUITS HILLS HAVE COMPONENTS                           | 90   | o   | 6.7        | 52         | 3.6   | 80   | 25  | 22                        |
| THE 13 0 13 21 23 38 27  THE 13 0 12 24 24 31 24   | SHICH PERFORM FORMARD BIAS DIODE STABILIZATION 3-35 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS     | 8    | 0   | •          | 67         | 26    | 38   | 25  | 22                        |
| THE 13 0 12 24 24 31 24  | MAICH PERFORM REVERSE BIAS DIODE STABILIZATION<br>63-36 DO TOU TROUBLESHOOT CINCUITS MAICH MAYE COMPONENTS | - 13 | 0   | 2          | 12         | 23    | 38   | 22  | 11                        |
| THE 13 0 12 24 24 31 24  | #AJCH PERFORM DOUBLE DIODE STABILIZATION<br>GB-37 DO YOU IDENTIFY AMPLITUDE DISTORTION FOR TRANSISTOR      | 91   | •   | •          | *          | 82    | 23   | 27  | 30                        |
|  | CIRCUITS CIRCUITS CIRCUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE  | 2    | D   | ~          | :          | 7.    | 7    | 24  | 22                        |

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND SOLID-STATE SPECIAL PURPOSE DEVICES POWER SUPPLIES 30 26 23 -22 22 30 35 9 1 6 1 50 50 54 18 12 8 12 50 33 20 27 4 5 P C 30 23 53 3 3 500 5 53 99 50 50 50 2 22 8 GPSHZB PAGE 033 = 34 56 32 2 4 5 6 8 250000 26 51 7 5PC 032 • 'n 500 0 17 00 12 35 6 7 5 6 7 7 5 6 7 7 5 00 7 0 0 0 0 0 0 N 031 5 0 0 0 0 17 7 ~ - 8 7 -9 50000 TO TOU USE OR REFER TO VARACTORS
DO TOU USE OR REFER TO TILLNEL DIUDES
DO TOU USE OR REFER TO FIELD EFFECT TRANSISTORS (FET)
DO TOU USE OR REFER TO UNIJUNCTION TRANSISTORS
DO TOU USE OR REFER TO ZENER DIODES TOU USE OR REFER TO INTEGRATED CIRCUITS
TOUR PRESENT JOBS OF TOU WORK WITH POMER SUPPLIES
TOU INSPECT POMER SUPPLIES 474 63-47 00 YOU TROUBLESHOOT OR REPAIR COMPLEMENTARY SYMMETRY JH. G3-39 DO YOU IDENTIFY FREQUENCY DISTORTION FOR TRANSISTOR CAUSES OF PHASE DISTORTION

469 63-42 DG YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE

CAUSES OF FREQUENCY DISTORTION

GATO 53-43 DG YOU NEED TO KNOW THE DEGENERATIVE EFFECTS ON THE

GATO 53-44 DG YOU DETECHNIE THE CLASS OF DEFRATION FOR

ANPLIFIERS IN GROER TO TROUBLESHOOT AMPLIFIER CIRCUITS

GATO 43-45 DG YOU TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS

GATO 473 G3-46 DG YOU TROUBLESHOOT OR REPAIR PUSH-PULL AMPLIFIERS 00 YOU CLEAN POMER SUPPLIES
00 YOU ALIGN ON ADJUST POWER SUPPLIES
00 YOU TROUBLESHOOT TO POWER SUPPLY COMPONENTS
00 YOU TROUBLESHOOT TO POWER SUPPLY COMPONENTS
00 YOU REMOVE OR REPLACE COMPLETE POWER SUPPLIES
00 YOU MORK WITH MALE-MAVE RECTIFIERS
00 YOU MORK MITH FULL-MAVE RECTIFIERS OTHER THAN 475 63-48 DO YOU TROUBLESHOOT OR HEPAIN COMPOUND-CONNECTED 468 G3-41 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND ATE 63-49 DO TOU TROUBLESHOOT OR REPAIR CASCADL-CONNECTED 63-40 DO YOU IDENTIFY PHASE DISTORTION FOR TRANSISTOR TOU MOSK WITH BAIDGE RECTIFIERS
TOU MOSK WITH THREE-PHASE RECTIFIERS
TOU USE ON MEREN TO INPUT FREQUENCY
TOU USE ON MEREN TO INPUT FREQUENCY
TOU USE ON MEREN TO AVENUE AMPLITUDE
TOU USE ON MEREN TO RIPPLE AMPLITUDE
TOU USE ON MEREN TO RIPPLE AMPLITUDE PET MARS ANSWONG TES FOR 326X1 DAFSE GRPS TASK GROUP SUNHALY PERCENTING BRIDGE RECTIFIERS CIRCUITS CINCUITS 000000 CIRCUITS 12-04 50-1-11-03 +2-03 -1-06 42-08 45-04 42-02 485 50, . 38

| YAAMHU GUUSA   |        |                  |            |            |       |                  |               |
|--|--------|------------------|------------|------------|-------|------------------|---------------|
| ENT MEMBERS P  |        |                  |            |            |       |                  |               |
| 0Y-TSK   | SPC 51 | PC 5PC<br>31 032 | SPC<br>033 | SPC<br>034 | SPC 9 | SPC SP<br>036 03 | 7             |
| AZTE DO YOU USE OF OFFER TO DEAV REVERSE (INVERSE)   | 1      | 2                | 2          |            | 3.1   | -                | •             |
| HZ_ZC DO YOU USE OF HEFER TO SHAPE OF DUTPUT MAVEFORMS   | 7      | 24 52            | 20         | -9         | 11    | 61 5             | 2             |
| DO YOU USE OR REFER TO EFFECTIVE OUTPUT  | 80     | 4                | S          |            | 3.    | S                | 7             |
| A2-22 DO YOU MORK WITH CIRCUITS WHICH E  |        | 3                | r.         |            | 9     | 4                | -             |
| SALICIAN TO THE CHANGE WITH AND THE RESERVED TO THE RESERVED T | 36     | 77 37            | 50         | 9.0        | 9,    | 47               |               |
| FILTERS  |        |                  | ,          |            | :     | '                |               |
| O YOU WORK   | 33     | 15 29            | 53         | 47         | 54    | 47 4             | •             |
| TARES DO YOU MORE WITH CIRCUITS WHICH EMPLOY INDUCTIVE   | 33     | 19 29            | 20         | 7          | 9     | 43 3             | 9             |
|  |        |                  |            |            |       |                  |               |
| 8 H2-26 DO YOU WORK WITH CIRCUITS MHICH EMPLOY LC PI-TYPE  | 33     | 12 30            | 53         | 4.5        | 0     | 47 3             | •             |
| 9 HZ-27 DO TOU MORK MITH CIRCUITS WHICH EMPLOY RC PI-TYPE  | 33     | 15 30            | 90         | 7          | 46    | 45 3             | •             |
| FILTERS  | 9.     |                  | ·          |            | į     | •                |               |
| DO TOU MORK WITH CINCOLTS WHICH EMPLOY   |        | 74 00            |            | 9          | •     | E .              | 6             |
| TOU HAVE THE OPTION OF REPLAC  | -      | 0                | 0          | 2          | 0     | 7                |               |
| H3-01 00 YOU   |        |                  |            | 89         | 69    |                  | 3             |
| H3-02 DD TOU INSPECT OSCILLATORS   |        |                  |            | 57         | 5.4   |                  | 40            |
| H3-03 DO YOU ALIGN OR ADJUST OSCILLATO   |        |                  |            | 9 0        | 62    | 51 65            | S OSCILLATORS |
| 43-05 00 YOU REMOVE OR REPLACE OSCILLA   |        | -                | l          | - a        | 23    |                  | 10            |
| H3-06 DO YOU TROUBLESH   |        |                  |            | 5.0        | 2 4 5 |                  |               |
| H3-07 DO YOU TROUBLESHOOT TO OSCILLATO   | 0      |                  |            | 22         | 23    | -                |               |
| 519 43-08 DO YOU USE OF REFER TO FEEDBACK DETERMINING DEVICES  | 25     | 19 23            | 5 5        | e          | 4 E   | 34 5             | 2.5           |
| (100)  |        |                  |            |            | ,     | ,                |               |
| TO DO TOU USE OR PEFER T   |        | 19 18            | 34         | 0,         | 38    | *                |               |
| DO TOU USE OR REFER TO FREDUENCY   | _ ,    | 2                |            | 9          | 9 .   | S                |               |
| THE TANK OF THE PERSON TO BELLEVIEW  |        | 71 71            |            | 33         |       | 7                | 6 G           |
| HIT OF YOU USE OR PETER TO PIEZOFIE  |        | •                |            | , a        |       | n a              |               |
| 43-15 00 TOU USE OF REFER TO CRITICAL  |        |                  |            | 0          | . 5   |                  |               |
| H3-16 DO YOU USE OF REFER TO UNDER DA  |        |                  |            | 13         | 1.5   | -                | 1             |
| TOU TOU USE ON REFER TO OVER DAMPING   |        |                  |            | -          | 15    | 0 2              | 2             |
| 43-18 00 TOU SORK WITH O   | 50     | 2 50             |            | 32         | 31    | •                |               |
| CIRCUITS AS FOS<br>0 43-19 50 750 FORK MITH OSCILLATORS WHICH USE RC NETHORKS AS   | 50     | 6 7              | 5.6        | 30         | 3.6   | 37 4             |               |
| FD3  |        |                  |            |            |       | •                |               |
| 531 43-20 DD TOU BORK BITH OSCILLATORS WHICH USE CRISIALS AS   | 5      | 77 41            | 7          | 36         | 5.7   | 10               |               |
| 2 H3-21 DO TOU WORK WITH OSCILLATORS WHICH USE DON'T REMEMBER  |        | 23 14            | 17         | 20         | 31    | 3.2              |               |
| COS SO SALL HOTHE  |        |                  |            |            |       |                  |               |
| 3 43-22 DO TOO BOXX ALTH SEXIES HANCEL STRUSSIONE  | 0      |                  |            | 70         | 90    | •                |               |

|  |            |              | 9140  | 204    | 0     | 4                                       |            | משונים כמשונים שמים עו |
|--|------------|--------------|-------|--------|-------|---|------------|------------------------|
| GROUP SURMARY  |            |              |       |        |       |   |            |                        |
| PERCENT NEMBERS PERFORMING   |            |              |       |        |       |   |            |                        |
| DY-15K   | SPC<br>030 | SPC          | SPC 5 | SPC SP | C 5PC | SPC 5                                   | SPC<br>037 |                        |
| SAUTH THE SHOP NOT THE SHOW THE TABLE STANSSOLDE OF THE SHOPE  | 12         | ,            | 60    |        | 22 3  | -                                       | 22         |                        |
| H3-24 DO TOU MORK AITH COLPITTS SINUSCIDAL OSCILLATORS   | 1.2        | ,            | 11    |        |       | -                                       | 22         |                        |
| -25 DO TOU MORK MITH CLAPP SINUSO  | •          | +            | 5     |        | -     |   | - 1        |                        |
| 43-26 DE TOU MORK WITH BUTLER SINUSOID   | * 1        | <b>.</b> .   | 3 8   | 5 2    | 2 6   | 3 8                                     | * .        |                        |
| אולא אולא  | 17         | ,,           | 07    |        | •     | ,                                       |            |                        |
| 11-01 DO YOU WORK MITH MULTIVIBRATOR   | 30         | 27           | 42    |        | 53 69 |   | 99         |                        |
| -02 00 TOU INSPECT MAVE GENERATING OR SHAPING CIRCUI   | 54         | 23           | 17    | 39     |       | 4                                       | 35         |                        |
| YOU ALIGN OR ADJUST MAVE SEVERA  | 8-         | 15           | 1.2   |        |       | 43                                      | 52         |                        |
| STITUDE OF THE CALL MANY AND AND CHARLES OF CHARLES  | -          | 1.3          | a     | **     | •     |   | 3          | MULTIVIBRATORS         |
| 43 11-45 DO YOU THOUBLESHOOT TO NAVE GENERATING OR SHAPING   | 9          |              | 1.2   |        |       | +                                       | 43         |                        |
| SAM IT-06 DO YOU TROUBLESHOOT TO MAVE SEVERATING OR SHAPING  | 60         | 0            | 7     | 16     | 24 38 | 3 24                                    | 1.7        |                        |
| CIRCUIT COMPONENTS   |            | ;            |       |        |       | ,                                       | •          |                        |
| SAS 11-07 DO FOU REMOVE ON REPLACE COMPLETE MAVE GENERATING ON   | 5.3        | 5.3          | -     | `      | 43 66 | * | ÷          |                        |
| SHE II-GB DO YOU RENOVE ON MEPLACE MAYE GEMERATING OR SHAPING  | ,          | 0            | •     |        | 18 2  | 3 18                                    | -1         |                        |
| COMPONENTS<br>SWY II-39 DO YOU MORK MITH MULTIVIBRATOMS WHICH CONTAIN LC TANK  | 91         | 1.2          | 13    | 3.6    | 22 1  | 5 24                                    | 22         |                        |
| CIRCUITS<br>548 II-10 DG YOU MORK MITH MULTIVIBRATORS MHICH CONTAIN RC   | 1.1        | 1.5          | 13    | 56     | 31 3  | 1 29                                    | 35         |                        |
| NETWORKS   | 1.5        | 1.2          | 1.2   | 7.4    | 23 3  | 1 70                                    | 26         |                        |
| CRYSTALS CRYSTALS CRYSTALS CRYSTALS CRYSTALS CRYSTALS  | *          | 5            | 13    |        | 21 38 | 3                                       | 26         |                        |
| PERENBER ALICH TYPE OF FOO   |            |              |       |        |       |   |            |                        |
| 15. 11. 13 00 700 MORK MITH ASTABLE FULTIVIBRATORS   | 0 0        | o- o-        | J J   | 50     | 34    | 29                                      | 4 7        |                        |
| SET IT SO YOU WORK WITH HISTARIE WULTIVIBRATORS  |            | 6            | 13    | . 0    |       | 2                                       | 9          |                        |
| SA II-16 GO YOU MONK MITH DON'T KELERS   | 07         | •            | 13    | 5      | 18 #6 |   |            |                        |
| - 00 4 00 TO-  | 5.4        | 1.5          | 0-    | 12     | 37 54 | 1 24                                    | 57         |                        |
| F125247 JOB<br>54 12-12 00 100 BORK WITH SERIES 0100   | *          | œ            | 0     | 50     | 25 2  | 7                                       | 39         | South.                 |
| 12-53 00 700 FORK #17H SHUNT 0100E LIMITERS  | 13         | 00           | 10    |        |       | -                                       | 35         | CI AMPERS              |
| 8 12-04 00 TOU BORK WITH LIMITERS #1   | 13         | 90           | 0     |        | 9     |   | 22         |                        |
| 12-35 00 100 -04K -1TH ZENER 0100E   | 9 :        | <b>a</b> 0 ( | .3    |        | 9     |   | T .        |                        |
| 12-08 DO 100 MOFF MITH TRA-SISTOR LIMITERS   |            | 10 0         |       |        |       |   | 3.5        |                        |
| 1 1440 VO TOU TOUR THE POOL OF THE CHIEF OF CHAPTER OF CHAPTER   | 2 7        | o au         | 0 0   | 2 4 2  | 27 20 | 2 -                                     | 30         |                        |
| 53 12-39 30 TGJ #044 #17# 0100E CLAMPING CIRCUITS #17# 91  | . =        | 00           | 1     |        |       | -                                       | 26         |                        |
| DO YOU BORK MITH DON'T KNOW MAICH TYPE OF CLAMPIN  | :=         | 60           | 10    |        |       | -                                       | 35         |                        |
| SAS 13-01 IN YOUR PRESENT JOB. BO YOU MORK ON EQUIPMENT WHICH  | -          | 1.2          | 13    | 1.0    | 2.6 3 | 9 24                                    | 30         |                        |
| The state of the s |            |              |       |        |       |   |            |                        |

HARS ANSWRNG YES FOR 326X1 DAFSC

HUMAN HESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND ELECTRON TUBES 5PC 122221 5 P C A F SPC 035 69 5Pc 70 0 GPSH28 PAGE 5 P.C 00000mm0 5PC 032 0 SPC 5 PC 20 E FOR ELECTRON TUBES

OU USE ON REFER TO PLATE CLARRENT

OU USE ON REFER TO GRID VOLTAGE

OU USE OR REFER TO GRID VOLTAGE

OU USE OR REFER TO GATHODE VOLTAGE

OU USE OR REFER TO CATHODE VOLTAGE

OU USE OR REFER TO CATHODE VOLTAGE

OU USE OR REFER TO THE TRIDGE APPLIFICATION

HE AMPLIFICATION FACTOR FOR TRIDGES IS DEFINED AS OR REFER TO CUTOFF OR REFER TO PEAK INVERSE VOLTAGE RATING OR REFER TO PEAK CURRENT RATING OR REFER TO TRANSIT TIME TUBE TESTERS TO CHECK ELECTRON TUBES HULTIMETERS TO CHECK ELECTRON TUBES SCOPES TO CHECK ELECTRON TUBES SUBSTITUTION TO CHECK ELECTRON TUBES OR REFER TO PLATE DISSIPATION RATING OR REFER TO DC PLATE RESISTANCE PUTE ACTUAL VALUES OF THE DC PLATE OR REFER TO SATURATION TASK GROUP SUNNANT PERCENT HEMBERS PERFORMING CONP USE 350 USE ESISTANCE F 100 13-22 DO YOU 100 100 100 00 00 13-04 13-07 3-13 13-18 13-19 13-08 13-09 3-10 13-20 13-06 13-11 13-12 13-15 3-16 3-17 13-21

615 580 583 598

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0 0 O 0 a 0 0 0 0 0 0 0 0 0 0 0 ETC) AMPLIFICATION FACTORS 3-24 DO YOU USE OR REFER TO ELECTRON TUBE TRANSCONDUCTANCE RESISTRUCE 592 13-28 DO YOU USE OR REFER TO ELECTRON TUBE INTERELECTRODE SET 13-ZF DO TOU USE OF REFER TO CHARACTERISTIC CURVES IN YOU TRANSCONDUCTANCES
SPO 13-26 DO 700 USE OR REFER TO THE ELECTRON TUBE PARAMETER
CALLED AC PLATE RESISTANCE
SFI 13-27 DO TOU CALCULATE ACTUAL VALUES OF AC PLATE 387 13-23 30 YOU USE OR REFER TO MULTIGRID (TETRODE, PENTODE HORK WITH ELECTRON TUBES 594 13-30 00 TOU USE CHARACTERISTIC CUHVES TO SELECT PLATE VOLTAGE FOR A SPECIFIED BIAS SYS 13-31 DO TOU USE CHARACTERISTIC CURVES TO SELECT PLATE 589 13-25 DU TOU CALCULATE ACTUAL VALUES OF ELECTRON TUBE CURPENT FOR A SPECIFICO BIAS SOG 13-32 DO TOU USE CHARACTEMISTIC CURVES TO SELECT BIAS 13-33 DO TOU USE CHAPACTERISTIC CURVES TO SELECT BIAS WHICH IS MEASURED IN MHOS! PERUIRED FOR SATURATION IMPLIFICATION FACTORS PESULAED FOR CUTOFF CAPACITANCE 588 11 297 985

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COMMAND SPECIAL PURPOSE ELECTRON TUBES ELECTRON TUBE AND CIRCUITS AMPL IF IERS SPC 037 0 17 17 30 22 22 5 PC OFN 52 00 0 0 0 • 12 5PC 035 0 0 0 2 2 15 2 5 23 23 5.4 15 0 93 38 5PC 5PC 033 034 ~ ~ C 0 33 10 • 90 0 0 9 • 0 0 0 36 . SPC 032 0 O -=0 0 0 000 \* • SPC 0 1 0 0 O 200 O 0 0 23 0 0 5 PC 0 0 0 0 0 S 52 9 \* 13-44 DO YOU USE OR REFER TO TURE SUBSTITUTION MATERIAL SUCH AS MANUALS OR CHARTS
JI-01 DO YOU WORK WITH ELECTHON TUBE AMPLIFIERS OR CIRCUITS 13-39 DO TOU USE CHARACTERISTIC CURVES TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN
13-40 DO YOU CALCULATE ANY ELECTRON TUBE CAPACITANCES SUCH J2-37 33 YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF 623 JZ-38 D3 YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTROMAGNETIC DEFLECTION SYSTEMS OF CATHODE-RAY TUBES IN YOUR PRESENT JOB ALO JI-02 DO YOU DETERMINE THE CLASS OF OPERATION FOR ELECTRON TUBE AMPLIFIERS IN OKOER TO TROUBLESHOOT AMPLIFIER BIL JI-03 DO YOU TROUBLESHOOT OR HEPAIR PRRAPHASE AMPLIFIERS BIZ JI-04 DO YOU TROUBLESHOOT OR REPAIR PUSH-POUL AMPLIFIERS 613 JI-05 DO YOU TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED 619 JZ-34 DO TOU TROUBLESHOOT OR REPAIR CIRCUITS IN MHICH BEAN EFFICIENCY 13-36 DO TOU USE TEST TUBE CHECKERS TO DETERMINE ELECTRON OR REFER TO ELECTRON TUBE AMPLIFIER GAIN ON REFER TO ELECTRON TUBE AMPLIFIER 13-38 00 YOU USE OSCILLOSCOPES TO DETERMINE ELECTRON TUBE OR REPAIR CON.T KNOW MHICH TYPE 605 13-41 DO TOU USE OR REFER TO TUBE SOCKET NOTATION 606 13-42 DO TOU USE OR HEFER TO PIN NUMBERING SYSTEMS 607 13-43 DO TOU USE OR PEFER TO THE TYPE OF MATERIAL OR THE OPENATING TEMPERATURE OF THE EMITTING SURFACE IN THE 617 J2-32 DO YOU WORK MITH CATHOLE-AAT TUBES 618 J2-33 DO TOU USE OR REFER TO THE CHARACTERISTICS OF BEAM TUBE AMPLIFIER GAIN SOI 13-37 DO YOU USE MULTIMFTERS TO DETERMINE ELECTHON TUBE 614 JI-36 DO YOU TROUBLESHOOT OR REPAIR CASCADE-CONNECTED 616 32-31 06 730 4084 4114 GAS TORES (HOT CATHOJE OF COLD JZ-36 30 700 TROUBLESHOOT OR REPAIR CIRCUITS IN WHICH POWER TUBES ARE USED UZ-05 DO YOU USE OR REFER TO THE CHARACTERISTICS OF THYRATRONS ELECTRON GUNS OF CATHODE-RAY TUBES (CRT) DY-15K AMPLIFIERS 815 JI-37 DO YOU TROUBLESHOOT TASK GROUP SUNHARY AS INPUT CAPACITANCE THYRATRONS ARE USED 13-3+ DO YOU USE ANPLIFIER GAIN A-PLIFIER GAIN DE AMPLIFIER POMER TUBES AMPLIFIERS CATHODE BASVA SEEM TOG 5 6 6 000 109 709 603 622

PCT MBRS AMSHRNG TES FOR 326X1 DAFSE GRPS

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

GPSHZB PAGE 71

|  |            |     |       |         |       |     | SPC |                 |
|--|------------|-----|-------|---------|-------|-----|-----|-----------------|
| DY-TSK   | 030        | 031 | 035 0 | 033 034 | 4 035 | 036 | 037 |                 |
| 4 J2-34 Do You USE OR REFER TO THE PRINCIPLES OF OPERATION OF  | 10         | 0   | 0 7   | 9 -     | 13 15 | 10  | 1.7 |                 |
| 12-10 an You der op perre to purchable caperas   | 30         | α   | 33    | 2 40    |       | •   |     |                 |
| Man Of Service To Service To Service   | 2 -        | o a |       |         | 38    | •   | . 0 |                 |
| 200 4 0  |            | 9 0 |       |         |       |     | :   |                 |
| מבוני מם המם מצב מע אבו בא   | 0 :        |     |       |         |       |     | ?   |                 |
| 34-13 50 100 05E OR REFER 10 PERSIS  |            |     |       | -       |       | -   | 2   |                 |
| 32-14 DO 100 USE UN MEFER TO DECAT   | 7 1        |     |       | 1 9 1   |       | -   | •   |                 |
| J2-15 DO YOU USE UR REFER TO FLUOR   | 0          | 00  |       |         |       | -   | -   |                 |
| JZ-16 00 TOU USE OF REFER TO PHOSPHOMESCENCE   | 7          |     | 12    | 7       | 1 23  | 1   | *   |                 |
| TOU WORK ON  | *          | 54  | 43    | 58 7    | 8     | 1   | 83  |                 |
| PRESENT  |            |     |       |         |       |     |     |                 |
| 633 US-02 DO YOU PERFORM TASKS ON FREQUENCY CONVENTERS   | 27         | 23  |       |         |       | 53  | 30  | HETERODYNING,   |
|  | 3          | 27  | 28    | 4 2 4   | 49 46 |     | 8   | MODULATION, AND |
| 635 J3-04 DO YOU USE OF REFER TO THE HETERODYNING OF SIGNALS   | 6.         | 5 - |       |         |       |     | 92  | DEMODULATION    |
| IN YOUR BORK WITH TRANSMIT OF RECEIVE SYSTEMS  |            |     |       |         |       |     |     |                 |
| 00 50-66   | 9 7        | 13  |       |         |       |     | *   |                 |
| TOU PERFORM TASKS ON HODU  | 27         | 3.1 | 22    | 34 3    | 8 54  | 35  | 35  |                 |
| KI-GI DO YOU WORK ON AM TRANSMIT OR HEC  | 1.2        | 1.2 |       |         | 8     |     | 35  |                 |
| 800 LX35384  |            |     |       |         |       |     |     |                 |
| THE RELEASE OF THE PROPERTY OF SECURITIES SECURITIES   | •          |     |       |         |       |     | 2 6 | AM CVCTFMC      |
| THE PROPERTY OF THE PROPERTY O | -          |     |       |         |       |     | 2 4 | בוחוכוכ וע      |
| TATELON AND TEXT AND TO THE POST OF THE PO |            | 17  |       | 1 2     | 26 23 | 200 | 90  |                 |
| TOTAL OCT TOTAL STATE OF TOTAL STATE |            | - 2 |       | ľ       |       |     | 3.6 |                 |
| ST.  |            |     |       |         |       |     | 2   |                 |
| KI-G7 DO YOU REMOVE OR REPLACE AT TRANSHIT OR RECEIVE  | •          | 1.2 | ^     | 11 24   | 4 15  | 24  | 30  |                 |
| SESTING OF THE MANAGEMENT OF T | ,          | Œ   | u     | 2 11    | 22 15 | 23  | 46  |                 |
|  |            |     |       |         | •     |     | 2   |                 |
| KI-39 00 YOU PERFORM TASKS ON  | <b>6</b> 0 |     | 7     | 1 2     | -     |     | 56  |                 |
| KI-ID DO YOU PERFORM TASKS ON  | •          | 7   | s     |         | 3 23  | 20  | 30  |                 |
| ERFORM TASKS OF  | 2          | 0   |       |         | -     |     | 13  |                 |
| ERFORM TASKS ON  | 2          | *   | *     |         | 2     |     | 30  |                 |
| ENFORM TASKS ON  | 30         | •   |       |         | -     |     | 1.1 |                 |
| KI-14 DO YOU PEHFORM TASKS ON IF A   | 1          |     | ^     | 11 2    | 20 15 | 20  | 22  |                 |
| ERFORM TASKS ON DETECTORS  | 60         | 8   | 1     |         | 5 31  |     | 35  |                 |
| KI-16 DO YOU PEHFORM TASKS ON DON'T RE   | ~          | *   | -     | 3       | 10 8  |     |     |                 |
| O MAPLITUDE STABILIZATION I  | •          |     | _     |         | ~     |     | 1.1 |                 |
| MI COLLECTIONE OF SECTION OF SECT | ,          | •   | •     | ,       | 30 33 |     | 16  |                 |
| TAXXXITTERS  |            | ,   |       |         |       | c   | •   |                 |
| USE OF REFER   | •          | 20  |       |         | 5 31  |     | 30  |                 |
| 01 43134 HO  | •          | 80  |       |         |       |     | 3.0 |                 |
| DO YOU USE OR REFER TO   | •          | 0   | 2     | -       | 8     | •   | ۰   |                 |
| KI-22 30 YOU USE OF REFER  | -          | c   |       |         |       |     |     |                 |
|  | ,          | ,   |       |         | 0     |     | s   |                 |

HUMAN RESOURCES LABORATORY ATR FORCE SYSTEMS COMMAND NUMBERING SYSTEMS FM SYSTEMS SPC 3 30 35 56 30 -200 377790 2 26 N 2 W 2 -0 35 35 5PC 036 9 8 7 20 50 æ 7 1 7 1 0 0 7 7 1 1 1 2 . 3 2 54 22 AF SPC 035 23 000 5 5 36 31 7 36 38 31 31 3 3 3 3 3 72 5PC 034 54 54 8 0 - 2 23 29 50 -2 B 26 2 2 4 2 ! 54 GPSH28 PAGE 5PC 033 8 7 4 6 7 -- 0 9 50 9 -9 21 = 9 9 - -2 5 5PC 032 0 . 0 -- e 9 - 0 0 9 0 7 10 0 23 27 200 20 SPC 000 00 13 2 5 2 00 7 5 7 2 2252 22222 2 SPC 9 12 - 2 = 0 0-~ ~ ~ ~ ~ 52 22225 \* OR REFER TO CO-CHANGE INTERFERENCE OF REFER TO IMAGE FREQUENCIES IN RECEIVERS ABOUT A 3-03 DO YOU CONVERT OCTAL NUMBERS TO DECIMAL MUMBERS SERVING MART NUMBERS TO BINART NUMBERS BENEATH NUMBERS TO BECIMAL NUMBERS BETWEEN A 3-05 TOU CONVERT BINARY NUMBERS TO DECIMAL NUMBERS BETWEEN A 3-05 TO COUNTY DECIMAL NUMBERS BETWEEN A 3-05 TO TOU CONVERT BINARY NUMBERS TO GET A SUM BETWEEN NUMBERS USING THE END-AROUND-WORLD BOTOU ADD BINARY NUMBERS USING THE END-AROUND-(945E 8) NUMBERS 656 X3-02 DO YOU CONVERT DECIMAL NUMBERS TO BINARY (845E 2) APPLIFIERS

A77 K2-12 DO 700 PERFORM TASKS ON POWER AMPLIFIERS

A78 K2-13 DO 700 PERFORM TASKS ON PERFOLENTIERS

A79 K2-14 DO 700 PERFORM TASKS ON FERQUENCY CONVERTERS

A80 K2-14 DO 700 PERFORM TASKS ON IF AMPLIFIERS

A81 K2-16 DO 700 PERFORM TASKS ON LIMITERS

A83 K2-16 DO 700 PERFORM TASKS ON FREQUENCY DISCRIMINATORS

A83 K2-16 DO 700 TRACE SIGNALS ON CURRENT PATHS THROUGH IMAGE REDECTION RATIOS

x 564 KI-27 DB YOU TRACE SIGNALS OR CURPENT PATHS THROUGH AM

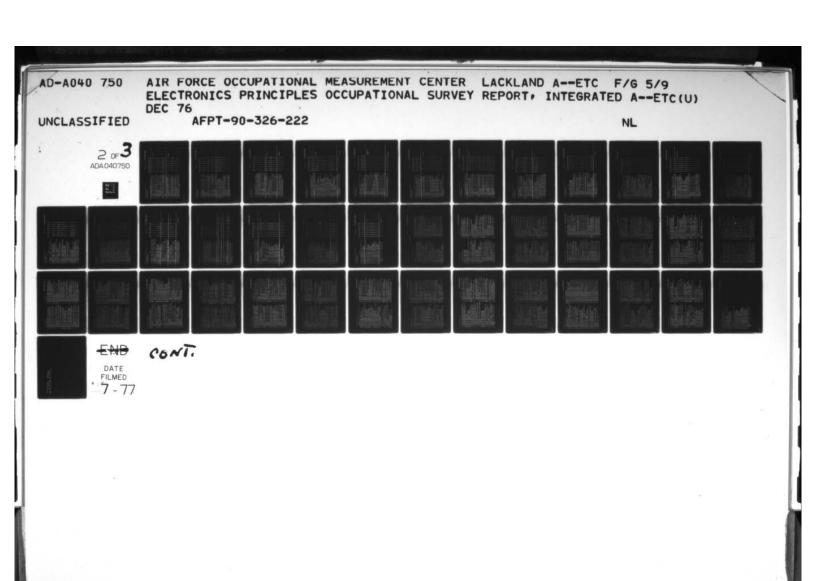
THANSMITTER SCHEMATIC DIAGRA-5

x 665 KI-28 DB YOU TRACE SIGNALS OF CURREN! PATHS THROUGH AM OH REFER TO SIGNAL TO IMAGE RATIOS ON RECEIVER SCHEMATIC DIAGRANS KZ-DI DO YOU MOKK MITH FH TRANSHIT ON RECEIVE SYSTEMS KB-09 DO YOU SUBTRACT BINARY NUMBERS USING THE DIRECT COMPONENTS 672 K2-07 SO YOU REMOVE OR MEPLACE FM THENSMIT OR RECEIVE 673 K2-38 OD YOU REHOVE OH REPLACE SH TRANSHIT OR RECEIVE COMPONENTS

< 674 FOR TO TOU PERFORM TASKS ON AUDIO AMPLIFIERS

< 675 KZ-13 DO TOU PERFORM TASKS ON PREQUENCY MULTIPLIERS

< 676 KZ-11 DO TOU PERFORM TASKS ON ORIVERS IINTERMEDIATE SCHEMATIC DIAGRAMS OF FM TRANSWITTERS
684 K2-19 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH DO YOU INSPECT FM TRANSMIT OR RECEIVE SYSTEMS THANSHIT ON RECEIVE 670 x2-US DO YOU TROUBLESHOOT TO FM TRANSMIT OR RECEIVE 668 K2-03 DO YOU CLEAN FN TRANSMIT OR RECEIVE STSTEMS 669 K2-04 DO YOU ALIGN FY TRANSMIT OR RECEIVE STSTEMS PCT MERS ANSWANG TES FOR 326X1 DAFSC GRPS PECELVERS DIAGRAMS OF FH RECEIVERS 5/1 42-16 DO YOU TROUBLESHOOT TO FM PERCENT HEMBERS PERFORMING SUBTRACTION METHOD TOUR PRESENT JOB 661 K1-24 DO YOU USE CONT 3K TOKA 3 c ec7 x3-03 Do SYSTEMS NURBERS SYSTEMS 678 K2-13 467 K2-02 693 999



THE ANSWEND YES FOR 326XI DAFSC GRPS

GPSHZB PAGE

73

A F

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND 5PC 5PC 034 035 5PC 033 SPC SPC 030 031 DY-15K PERCENT NEMBERS PERFORMING

LOGIC FUNCTIONS BOOL EAN EQUATIONS 110 30 30 30 25 10 17 -25 25 52 26 2 26 12 33 33 9 37 -20 7 2 2 5 62 62 = 0 29 63 9 0 7 5 20 = 32 2 9 5 21 2 ^ 7 = 27 50 0 0 0 0 5 5 25 25 54 SYMBOLS OR GATES

L 702 XI-06 DO YOU USE OF MERER TO TRUTH TABLES FOR AND OR OR

LOGIC SYMBOLS BITH STATE INDICATORS

L 703 LI-39 DO YOU USE OF MERER TO TRUTH TABLES FOR EXCLUSIVE OR OR REFER TO LOGIC SYMBOLS FOR AND GATES OR REFER TO LOGIC SYMBOLS FOR OR GATES OF REFER TO LOGIC SYMBOLS FOR MAND OR NOR L 715 L2-38 DO TOU USE OR REFER TO LOGIC STHBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC FOCTL) CIRCUIT GATES
L 716 L2-09 30 TOU USE OR REFER TO TRUTH TABLES FOR CURRENT MODE SYMBOLS WITH STATE INDICATORS
699 LI-05 DO YOU CONSTHUCT TRUTH TABLES FOR EXCLUSIVE OR LOGIC TRANSISTOR LOGIC (DCTL) CIRCUITS
TIE L2-03 DO TOU CONSTRUCT TRUTH TABLES FOR CURRENT MOSE LOGIC RELATING TO LOGIC FUNCTIONS
L 696 L1-02 00 YOU CONSTRUCT TRUTH TABLES FOR AND LOGIC SYMBOLS 6 DG YOU COMPUTE SUM AND CARRY EXPRESSIONS FOR SERIAL OR FULL ADDER LOGIC DIAGRAMS ON GATES
ON GATES THUTH TABLES FOR OR LOGIC SYMBOLS
OR GATES L 708 L2-31 IN TOUR PRESENT JOB, DO YOU PERFORM ANY TASKS
RELATING TO BOOLEAN EQUATIONS, LOGIC DIAGRAMS, OF LOGIC
L 709 L2-62 DO YOU DRAW LOGIC SYMBOLS FOR DIRECT COURLED 712 L2-05 DO TOU MEASURE IMPUTS OR OUTPUTS OF GGIC GATES
1,713 L2-05 DO TOU DEVELOR ON ANALYZE BOOLEAN EQUATIONS IN THE
1,714 L2-07 DO TOU ANALYZE LOGIC CRECUITS BY USING BOOLEAN L 707 L1-13 DO YOU USE ON REFER TO LOGIC SYMBOLS FOR EXCLUSIVE 698 LI-04 DO YOU CONSTRUCT TRUTH TABLES FOR AND OR OR LOGIC SYMBOLS OR GATES
TO DE TRUTH TABLES FOR AND LOGIC LOGIC (CML) CIRCUITS

( 717 LZ-10 DO YOU USE OR REFER TO LOGIC DIAGRAMS CONSISTING MORE THAN ONE GATE STMBOLS OR GATES 701 KI-07 DO YOU USE OR REFER TO TRUTH TABLES FOR OR LOGIC (CHL) CIRCUITS 695 LI-01 IL YOUR PRESENT JOB. BO YOU PERTOR ANY TASKS SHOT TAUCS 718 12-11 1 704 11 17 569

PCT MBRS ANSWARG YES FOR 32641 DAFSC GRPS

GPSM28 PAGE 74

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

|  | SPC | SPC | SPC S | SPC SPC  | 3 S P C | 200 | SPC |           |
|--|-----|-----|-------|----------|---------|-----|-----|-----------|
| 200  |     |     |       |          |         |     | 180 |           |
| 719 L2-12 DO YOU TRACE DATA FLOW THROUGH PARALLEL FULL ADDER   | ٥   | 00  | 7     | 13 1     | 8 1.5   | 22  | 13  |           |
| 720 L2-13 DO TOU MONK MITH ASTABLE IFREE RUNNING)  | *   | 1.2 | 12    | 21 3     | 38      | 33  | 39  |           |
|  |     |     |       |          |         |     |     |           |
| 1  | 1.1 | 61  | 13    | <b>T</b> | 41 38   | *   | 7   |           |
| 722 [2=15 DO TOU MORK BITH HONDSTABLE (ONE-SHOT)   | 5   | 7   | 2     | 21 3     |         |     | 43  |           |
| L2-16 DO YOU US, OR PEFFR TO FLIP-FLOP HULTIVIBRATOR   | •   | 5   | 13    | 24 3     | 8 31    | 33  | 37  |           |
|  |     |     |       |          |         |     |     |           |
| SYMBOLS  | •   | æ   | 5     | 21 3     | 38      | 35  | 43  |           |
| YOU USE OR REFER TO  | •   | æ   | 91    |          | 37 38   |     | 43  |           |
| USE OR REFER TO FLIP-FLOP TRUTH TA   | =   | 90  | 0     | 16 2     |         |     | 22  |           |
| E OR REFER TO  | 11  | œ   | 10    |          | 3 38    |     | 92  |           |
| #801S  |     | ,   |       |          |         |     |     |           |
| LICATI DE TOU USE OF REFER TO COMPLEMENTING FLIPFELOP LOGIC  | 0   | 10  | m     | 16 2     | 38      | 4   | 30  |           |
|  |     |     |       |          |         |     |     |           |
| COLLEGE OF THE COLLEG |     | •   | 2 0   | 97       | 30      | 27  | D . |           |
|  |     | ,   |       |          |         |     | 97  |           |
| L2-24 DO TOU TRACE DATA FLOW THROUGH FOMPLEMENTING FLIP-   | 10  | 1.2 | ,     | 16 2     | 29 38   | 25  | 30  |           |
|  |     |     |       |          |         | ?   |     |           |
| 0  | •   | *   | 2     | 3 11     | 1 15    | 12  | •   |           |
| VANDE OF THE STATE | 0.0 | 0   | 1     |          |         | 1   | 1   |           |
| The second of th |     |     |       |          |         |     | , : |           |
| or was as as as as as  |     | 0 4 |       |          |         |     | , , |           |
| 01 43334 80 350 00 00  | 20  |     |       |          |         |     | 30  |           |
| 00 YOU USE OR REFER  | 20  | 2   |       | 24 2     | 20 15   |     | 000 | Countring |
| 00 TOU USE ON WEFER TO   | 90  | 90  |       |          |         |     | 0   | COUNTERS  |
| 00 YOU USE OR REFER TO   | *   | 7 ! |       |          | 3 23    |     | 36  |           |
| TOU USE OR PEFER TO  | 1.8 | 5 ! |       | 18 2     |         |     | 35  |           |
| USE OR PEFER TO  | 90  | 5   |       |          | 2       |     | 43  |           |
| USE OF REFER TO U  | 0   | 15  |       |          |         |     | 36  |           |
|  | •   | •   | 0     |          | 29 23   |     | 12  |           |
| MAVING COMPLEMENT  |     |     |       |          |         |     |     |           |
|  | 1   |     | 7     | 8 22     | 2 23    | 22  | 2.2 |           |
| 7  |     |     |       |          |         |     |     |           |
| L3-13 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF   | 00  | ,   | 00    | 11 2     | 28 15   | 27  | 35  |           |
| •  |     |     |       |          |         |     |     |           |
| LIST'S DO TOU TRACE DATA FLOW THROUGH LOGIC DISGRANS OF  | ,   | 0   | •     | •        | 8 1.5   | Œ,  |     |           |
| PATE TO THE STATE OF THE PATE THE PATE TO THE PATE THE THE PATE THE THE THE PATE THE PATE THE THE THE THE THE THE THE THE THE T                              | 0   |     |       |          |         |     | :   |           |
| SER 10 10 10 10 10 10 10 10 10 10 10 10 10   |     |     |       | 2        | 2       |     | -   |           |
| • '  |     |     |       |          |         |     |     |           |
| 1  |     | a   |       |          | -       | ,,  | 30  |           |

AT HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND TIMING CIRCUITS USE OF SIGNAL GENERATORS 586 17 7 22 17 30 22 92 3 53 30 30 7 -2 5 P C 0 39 27 35 4 5 9 7 200 23 69 . 24 . 5.0 3.8 3 15 SPC 034 9 0 39 45 32 37 55 7 76 38 15 22 GPSHZB PAGE SPC . 37 78 2 9 55 \$ 3 4 5 56 19 5PC 032 0 27 4 7 -34 2 20 . SPC 0 # 0 0 35 23 • • 27 9 0 3 SPC 030 S 22 22 22 20 7 39 36 \* 23 • DECADE COUNTERS
755 L3-23 DO YOU DETERNINE THE STATE OF EACH FLIP-FLOP IN RING
COUNTERS FOR SPECIFIC INPUT PULSES
756 L3-29 DO YOU DETERNINE THE APPROPRIATE AND GATE NECESSARY
13 L0-29 DO YOU DETERNINE THE APPROPRIATE A REQUIRED COUNT
757 MI-C1 DO TOU TOWN MITH SANTOCTH MAVE GENERATORS
758 MI-D2 DO YOU MORK MITH TRAPEZOIDAL MAVE GENERATORS
758 MI-D3 DO TOU MORK MITH PULSED OSCILLATORS WITH REGENERATIVE THE LETT DO TOU TRACE DATA FLOW THROUGH LOSIC DIAGRANS OF TOTHER TIPE OF COUNTERS

PSG LETTE DO TOU CCHPUTE THE BINARY COUNT AFTER SPECIFIC INPUT

POLSES FOR UP-COUNTERS HAVING COMPLEMENTED FLIP-FLOPS

751 LETTE DO TOU COMPUTE THE BINARY COUNTERS HAVING COMPLEMENT—

752 LEED DO TOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT

POLSES FOR SERIAL UP-ON DOWN-COUNTERS HAVING COMPLEMENT—

752 LEED DO TOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT

POLSES FOR OTHER TYPES OF COUNTERS

754 LEED DO TOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT

POLSES FOR OTHER TYPES OF COUNTERS # 761 41-05 DO TOU 404K #ITH BLOCKING DSCILLATORS

# 762 41-06 DO TOU 405K #ITH BLOCKING DSCILLATORS

# 764 41-09 DO TOU 405 OF REFER TO FILE OF FLYBACK TIME

# 764 41-09 DO TOU 405 OF REFER TO SMEEP TIME

# 765 #1-09 DO TOU 405 OF MEFER TO SMEEP TIME - 789 HZ-01 DC TOU USE SIGNAL GENERATORS IN TOUR PRESENT JOB - 770 HZ-02 DG YOU PERFORM OPERATIONAL CHECKS HHILE USING SIGNAL PEFER TO PHYSICAL LENGTH OF SANTOOTH GEVERATORS

# 771 #2-53 50 TOU PERFORM PERIODIC MAINTENANCE SUCH AS

#53-53 196 ALIGNING, OF CALIBRATING HAILE USING SIGNAL

# 772 #2-54 50 TOU TROUBLESHOOT TO AN ASSENBLY OF SUBASSEMBLY \* 767 MI-11 DO TOU USE OR REFER TO LINEAR SLOPE OF SANTOOTH WATE STAND STAND GENERATORS WATES STELLEST REPLACEMBLE OR PEFER TO GATE LENGTH OF SAUTOOTH 1-04 DO YOU WORK MITH PULSED OSCILLATORS MITHOUT REGENERATIVE FEEDBACK COMPONENT MATILE USING SIGNAL GENERATORS A 774 A2-06 DO YOU USE AUDIO SINE-WAVE GENERATORS PET MUHS ANSWANG TES FOR 326X1 DAFSC GRPS PERCENT NEMBERS PERFORMING # 786 \*1-10 00 YOU USE OF - 758 MI-12 DE TOU USE MAYEFORMS SHHOJANT SHEFORMS SHEC JANTE FEEDBACK # 760 HI-04

| MANY ANDERSO TEN FOR SCONI DATED GRAN                      |            |            |           |            | 0        |       |            |  |
|--|------------|------------|-----------|------------|----------|-------|------------|--|
| TASK GROUP SUMMARY<br>DERCENT MEMBERS PERFORMING           |            |            |           |            |          |       |            |  |
| DyT5X  | SPC S      | SPC 5      | SPC 51    | SPC 51     | SPC 5P   | S 036 | SPC<br>037 |  |
| 0  | 20         | 23         | 8         | 2.1        | 33 3     | 1 35  | 30         |  |
| AS SQUARE MAVE. TRIANGLE, PULSE, OR S                      |            |            |           |            |          |       | ,          |  |
| NE GENERATORS LE   | 25         | 27         | 22        | 32         | 71.7     | 7 75  |            |  |
| HE SPECIAL PURPOSE OF HULTI-FU                             | 76         | 23         | 2         |            |          | 2     | 7          |  |
| GENERATORS   | -          | 33         | 12        | 23         | 1        | 15 12 | 22         |  |
| CACAL TANGET AND THE                                       | ;          |            |           |            |          |       |            |  |
| THE ALLEY AND TORNERS ON DIRECT CONTROL TO THE             | 26         | 23         |           | 3.2        | 7        |       | 1.7        | MOTORS AND   |
| 20 50 50 50 50 50 50 50 50 50 50 50 50 50                  | 15         | 1.2        |           | -          | 0        |       |            | GENERATORS   |
| TOU OPERATE MOTORS   | 5.4        | 23         |           | 6.2        | =        |       | 1.1        |  |
| M3-35 DO YOU REHOVE OR REPLACE COMPLETE M                  | 7.6        | •          | 27        | 5.6        | 01       | 8 10  |            |  |
| #3-36 DO TOU REMOVE OR REPLACE HOTOR PARTS                 | 2          | 0          |           |            | _        |       | 0          |  |
| M3-07 DO YOU TROUBLESHOOT AS FAR                           | 92         | 6.         |           | 62         | <b>.</b> |       | -          |  |
| CONNECTIONS OF MOTORS                                      |            | C          | -         | c          | -        |       |            |  |
| OU PERFORM ANY TASKS ON FIFTO COILS                        |            | 0          |           | , <b>m</b> |          |       | 0          |  |
| M3-13 DO YOU PERFORM ANY TASKS ON ARMATURES                | -          | 0          | -         | •          | _        |       |            |  |
| 43-11 DO TOU PERFORM ANY TASKS ON RO                       | -          | 0          | _         | -          | -        |       |            |  |
| M3-12 DO YOU PERFORM ANY TASKS ON                          | ~          | 0          |           | s a        | 2        |       |            |  |
|  | ~ .        | 0 0        | <b></b> . | · ·        |          |       |            |  |
| OU PERFORM ANY TASKS ON                                    |            | <b>5</b> 0 |           | <b>,</b> , |          |       |            |  |
| HISTORY OF DETERMINE ON MEASURE THE MACHIT                 | •          | •          |           |            | 2        |       |            |  |
| FONCE OR TOMBUE CREATED BY A MOTOR                         |            |            |           |            |          |       |            |  |
| 795 MB-17 DO YOU DETERMINE OR HEASURE THE DIRECTION OF THE | •          | ,          | ,         | ~          | 2        |       | ,          |  |
| ASURE  | 7          | #          | 7         | ю          | ~        | 0     | *          |  |
| OH DIRECTION OF THE INDUCED VOLTAGE                        |            | 4          | 2.3       | 0.         |          |       | -          |  |
| DACAMONA HILM MACH DOL OC                                  |            | • •        |           |            | to at    |       |            |  |
| TOTAL TALL AND DOLD OF THE                                 | 1.2        | ,          | 1.2       |            | 0 0      | -     |            |  |
| TANKS OF YOU HORK BITH SOME COMPLYATIO                     | 6          | 6 1        | 6         |            | -        | -     | -          |  |
| 43-23 DO YOU INSPECT GENERATORS                            | *-         | • -        | 1.2       | 9          | 2        |       |            |  |
| 43-24 00 100   | ,          | •          | 2         | 9          | -        |       | 1          |  |
| M3-25 DO TOU OPERATE GENERATORS                            | <b>*</b> C | 5 -        | - ^       |            | un c     | 00    |            |  |
| YOU MENDYE ON METCHE CONTESTS                              | 0          | . 0        | . 0       | . 0        | . 0      |       |            |  |
| SALANDER TOURS TRANSPORT AS A SALANDER TO THE ASSET        | •          | •          | æ         | 11         | 0        |       | 0          |  |
| CONVECTIONS OF GENERATORS                                  |            |            |           |            |          |       |            |  |
| -24 00 TOU   | 0          | 0          | a         | 0          | 0        | 0     | 0          | The second secon |
| GENERATORS   |            |            |           |            | 1        | 0     | 100        |  |
| WINDS DO YOU BORK WITH METERS IN YOUR PRESENT JOB          |            | ē '        | 0         | 0 -        |          |       |            |  |
| CONSIDE  | 2          | )          | 7         | -          | -        | n     | -          |  |
| TO ALL OF THE RESIDENCE OF COMMENCE THE FUNCTIONS OF       | 11         | 0          | *         | =          |          | 15 12 | 117        | STATE OF STATE   |
|  |            |            |           |            |          |       |            | MEIER MURMERIS   |

| TASK GROUP SUHHARY<br>DERCENT HEMBERS PERFORMING   |              |            |       |       |                    |                |            |                    |
|--|--------------|------------|-------|-------|--------------------|----------------|------------|--------------------|
| UT-15K   | 5 P.C<br>030 | SPC<br>031 | SPC 5 | SPC S | SPC SPC<br>034 035 | C SPC<br>5 036 | SPC<br>037 |                    |
| SHIML SPRINGS  | Ξ            | 0          | 5     | 13    | 0 1                | 10             | - 3        |                    |
| BIZ MI-OS DO YOU READ HETER SCALES   | 7.2          | 11         | 7.2   | 9.9   | 89 88              | 85 94          | 78         |                    |
| 41-06 00 40U   | 56           | 35         | 23    |       |                    |                |            |                    |
| 00 40-14   | 7.1          | 9.1        | 70    | 89    |                    |                |            |                    |
| SELS ALTERS DO FOU LEND ARRETERS   | 32           | 38         | 25    | 7,    |                    | 47 47          | 35         |                    |
| FEMPRESSED IN UNITS OF DAME PED  | 33           | 9 9        | 5 2   | 5.5   | 7 9 7              | 0 0            |            |                    |
| ATURABLE   | s            | 7          | 2     |       | 5                  | 7              | 0          |                    |
| BIG NZ-DZ DO YOU INSPECT MAGNETIC AMPLIFIERS OR SATURABLE REACTORS   | •            |            | 7     | 'n    | 2                  | 8 2            | *          | SATURABLE REACTORS |
| 820 N2-U3 DO YOU CLEAN MAGNETIC AMPLIFIERS OR SATURABLE REACTORS   | ٦            | 7          | •     | e     | •                  | 8 2            | •          | AMPLIFIERS         |
| HEL NE-DY DO YOU ADJUST HAGNETIC AMPLIFIERS OR SATURABLE REACTORS  | ~            | ,          | 7     | 0     | e.                 | 8              | 7          |                    |
| REACTORS   | 7            | 0          | 7     | •     | -                  | 0 2            | 0          |                    |
| 823 N2-06 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIERS OR  | r            | 0          | *     | s     | -                  | 0              | 0          |                    |
| 924 NZ-07 DG TOU PENOVE OR REPLACE MAGNETIC AMPLIFIER OR SATURABLE REACTOR COMPONENTS                                  | 0            | 0          | 0     | 0     | _                  | 0 2            | 0          |                    |
| NZ-09 DO YOU USE OR PEFER TO HYST  | o            | 0          | 0     | 0     | 2                  | 8 2            | O          |                    |
| 828 NZ-59 DO TOU INTERPRET SCHEMATIC ORAMINGS TO DEVELOP OUTPUT MAVEFORMS ACROSS PEACTOR WINDINGS OF LOAD RESISTORS OF | 7            | 0          | 2     | c     |                    |                | 0          |                    |
| DRMS ACROSS REACTOR  | -            | •          | ~     | •     | 2                  | 0 0            | •          |                    |
|  | 7            | 0          | ~     | •     |                    | 5 2            | 0          |                    |
| MAVEFORMS FOR MAGNETIC AMPLIFIERS<br>529 12-12 DO YOU USE OR REFER TO COERCIVE FORCE IN SATURABLE                      | -            | 0          | -     | 0     |                    |                | 0          |                    |
| HEACTORS<br>830 42-13 DO TOU USE OR REFER TO RESIDUAL MAGNETISM IN   | -            | 0          | -     | 0     | _                  | 0              | 0          |                    |
| PEFER TO FLUX DENS   | -            | 0          | -     | 0     | -                  |                | 0          |                    |
| PEFER TO POINT   | -            | 0          | -     | 0     | _                  |                | 0          |                    |
| SATURBBLE REACTORS 833 WZ-16 DD YOU USE OR PEFER TO SATURABLE REACTOR SCHEMATIC SYMBOLS                                | -            | 0          | -     | -     | 2                  | 0 2            | •          |                    |
| 834 N3-31 30 TOU MORK MITH MAVESHAPING CIRCUITS IN TOUR PRESENT  | 4.7          | 2,5        | 3.    | 53    | 84 92              | 2 82           | 83         |                    |
| 350 NOT OG   | 50           | 51         | 20    |       |                    |                | 15         |                    |
|  | ÷ ÷          | 35         | 9:    | 0 4   | 83 77              | 7 8 4          |            | WAVESHAPING        |

| T MBRS ANSWRING YES FOR 326X1 DAFSC GRPS   |      | GP SH ZB | ZB PAGE | E 7.8 |            | 4 1 8 | AIR FORCE SYSTEMS COMMAND |
|--|------|----------|---------|-------|------------|-------|---------------------------|
| SK GROUP SUMMENT   |      |          |         |       |            |       |                           |
|  | 2000 | SPC SPC  | C SPC   | SPC   | SPC        | SPC   | SPC<br>037                |
| x21-70   |      |          |         |       | 11         | 75    | 74                        |
| משפים מו ימו מש מצר מא הביבא ומ במוצה מא מרובה היינים מו מו  |      |          |         |       |            |       |                           |
| DO YOU USE OF REFER TO DIE   |      | 7        | 2 3     | 3     | 9          | 57    | 0.                        |
| N3-07 DO YOU USE OR REFER TO INTEGRATING CIRCUITS  | 32   | 23 3     | - a     | 93    | 0 U        | 53    | 26                        |
| -08 DO 100 USE UN MEFER TO THE   |      |          |         | 1     |            |       |                           |
| PHINE AMETHER AN LY OF AC CIRCUI   | •    | 7        | 7 5     | 13    | 23         | 12    | 0                         |
| DIFFERENTIATING OF INTEGRATING BA  |      |          |         |       |            |       | •                         |
| N3-10 DO YOU MORK MITH SQUARE WAVE GENERATORS  | 35   | 42 2     | 5 7 7   | 67    | 11         | . T   | 0 to 0                    |
| N3-11 DO YOU WORK WITH   | 1    | 1        | 1       |       | L          | 1     | h                         |
| NAT TOP  |      |          |         |       |            |       |                           |
| DI-02 DD TOU INSPECT 558 TRANSHIT  | -    |          |         |       | 15         | 0     | ,                         |
| -01 DO YOU CLEAN SSH TRANSMIT OF   | 5    |          | 0 0     | 2     | 90         | 0     |                           |
| DI-04 DO YOU ALIGN STR TRANSHIT OR   | -    | 0        | 0       | •     | 5          | c     | * SYSTEMS                 |
| 01-05 DO TOU TROUBLESHOOT TO 559   |      | 0        |         |       | 5          | D     |                           |
| SYSTEMS  | 0    | 0        | 0       | ~     | - 2<br>-   | 0     | 7                         |
| TO THE POST OF THE |      |          |         |       |            |       |                           |
| SI 01-07 DO YOU REHOVE OR REPLACE SSB THANSMIT OR RECEIVE  | -    | 0        | 0       | 6     | - 2        | a     | 7                         |
| -08 00   | 0    | 5        | 0       | •     | 5          | 0     | •                         |
| COMPONENTS   | c    |          |         |       | 000        | c     | r                         |
| THE TASKS ON SOB BALANTED MODULAT  | 00   | 00       | 00      | 2     | <b>a</b> 0 | 0     | ,                         |
| 01-11 DO YOU PEHFORM TASKS 0' 558  | 0    |          |         | 1     | 0          | 0     |                           |
| 01-12 DO TOU PERFORM TASKS ON SSB LC FILTERS   | 0    |          |         |       | 0          | 0     | 7 1                       |
| 01-13 DO YOU PEHFORM TASKS ON SSB CRYSTAL FILTERS  | 0 0  |          |         |       | 0 0        | c •   | •                         |
| DI-14 DO YOU PERFORM TASKS ON SSB  | 0    |          |         | 0 .   | 3          | 0     | 2                         |
| OI-15 DO TOU PERFORM TASKS ON SSB  | · -  |          |         |       | 0 0        | 0.0   | •                         |
| 01-16 00 700 PETFORM TASKS ON SSB MILEN  |      |          |         |       | ) a        | 3 0   |                           |
| 01-17 00 100 PERFORM 145KS 0% 5  |      |          |         |       | 20         | c     | •                         |
| מושום שמ באבון אינות הבאבון המושו  |      |          |         |       | •          | C     | •                         |
| BSC NO CAST HADERS NOT OU STORE  | • 0  |          |         |       | 00         |       |                           |
| The second secon |      |          |         |       | 40         | C     | •                         |
| THE STATE OF THE S | . 0  |          |         |       | 90         | 0     | •                         |
| THE PARTY OF THE P | O    |          |         |       | 23         | O     | 0                         |
| CASTER STAGES  |      |          |         |       |            |       |                           |
| 01-24 30 YOU US: 08 9EFF8 TO   | 0    | 0        |         |       | 0          | 0     | 0                         |
| 700 UE OF PEFER TO PER PO  | 0    | 0        | 0       | •     | 15         | 0     |                           |
| MINTER TO FREE OF SEER TO FREQUEN  | 0    | 0        |         |       | 1.5        | c     |                           |
| 01-27 00 TOU USE OF REFER TO BES   | 0    | 0        |         |       | 0          | 0     | 0                         |
| BAYDETOTH FILTERS  |      |          |         |       |            |       |                           |
| -28 03 TOU CAL   | 0    | 0        | 0       | 0     | 0          | 0     | 0                         |
|  |      |          |         |       |            |       |                           |

|   |          |           |         |       |       |       |     | Air your Sisiens Command |
|---|----------|-----------|---------|-------|-------|-------|-----|--------------------------|
| TASS GROUP SURMARY DERGENT TEMBERS PERFORMING   |          |           |         |       |       |       |     |                          |
| x21-70  | S PC S   | SPC SPC   | SPC 5PC | 3 034 | 5 P C | 5 P C | 586 |                          |
| 873 01-29 09 100 TRACE SIGNALS OR CURRENT PATHS THROUGH SSB TRAUSSITTER SCHEMITTE OFFICERS  | -        | 0         | -       | 0     |       | c     |     |                          |
|   | -        | 0         | -       | 0 2   | 30    | C     | 1   |                          |
| 875 02-51 DO YOU WORK ON PULSE MODULATION SYSTEMS IN YOUR   | 22       | 23 2      | 23 21   | 1 57  | 11    | 55    | 5.5 |                          |
| 676 02-02 to You Inspect Purse wood attom SYSTEMS   | 20       | 73        | 9       | 1 47  | 4.0   |       |     | MOTTE MODELL ST. LOW     |
| 02-03 DO YOU CLEAN PULSE MODULATION SY  | :        | 1 5 1     |         |       |       |       |     | SYSTEMS                  |
| 02-0" DO YOU ALIGN PULSE MODULATION SYSTEMS   |          | 23        |         |       | 79    | 5     |     | 2                        |
| 02-05 DO TOU THOUSLESHOOT TO PULSE HODULATION   | 0        | 1 5 1     |         |       |       | s.    |     |                          |
| SECTION DO TOU TROUBLESHOOT TO PULSE MODULATION STSTEM  | 0        |           | -       | 11 37 | 9     | 35    | 35  |                          |
| 02-07 DO YOU REMOVE OR REPLACE PULSE MODULATION   | •        | 1 61      | 7       | *     | 4 0   | 53    | 30  |                          |
| PEPLACE PULSE MODULATION  |          |           |         | 31    | 7     | -     | 22  |                          |
| 663 UZ-UP DO TOU MORK ON FULSE-AMPLITUDE MUDULATION (PAM)   | •        | ,         | ~       | 8 40  | 5     | 35    | 43  |                          |
| 884 02-10 DO YOU MORK ON PULSE-DURATION MODULATION (PD=)  | ,        | ,         | 00      | 62 5  | -     | 27    | 30  |                          |
| 885 02-11 DO YOU WORK ON PULSE-POSITION MODULATION (PPM)  | •        | ,         | 2       | 3 26  | 3.1   | 7.4   | 9.0 |                          |
| 486 02-12 DO YOU WORK ON PULSE-CODE MODULATION (PCM) SYSTEMS  | -        | ,         | -       | 15    | 80    | 1.8   | 13  |                          |
| 02-13 DO YOU WORK ON LINE PULSING MODULATIO   |          |           |         |       | 1.5   |       |     |                          |
| SER OZ-14 DO YOU MORK ON DON'T REMEMBER MILEM TYPE OF   | 13       | 1 6 1     | 11 21   | 1 20  | 38    | 1.8   | 13  |                          |
| 889 02-15 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM   | •        | 6 1       | •       | 43    | 38    | 45    | 39  |                          |
|   | \$       | <b>40</b> | •       | 3 8   | o     | -     | 0   |                          |
| 391 02-17 DO TOU PERFORM TASKS ON PULSE MODULATION SYSTEM   | 1.2      | 1 51      | 111     | 39    | 38    | 37    | 4.3 |                          |
| PULSE MODULATION  | 0        | 151       | Ξ       | 5 33  | 23    | 33    | 36  |                          |
| WOLTA HOOM AT TO  |          | œ         | •       |       | c     | 1     | ,   |                          |
| SATTCHES SUCH AS GAS THYRATHONS   |          |           |         |       |       | 1     |     |                          |
| 844 02-20 DO TOU PERFORM TASKS ON PULSE HODULATION SYSTEM PULSE TRANSFORMERS  | •        | -<br>-    | 0       | 8 22  | 80    | 7     | 56  |                          |
| HAS GZ-ZI DO TOU PERFORM TASKS ON PULSE MODULATION SYSTEM   | 1.2      | 1.2.      | 11 13   | 3     | 36    | 35    | 30  |                          |
| 696 02-22 DC TOU PERFORM TASKS ON PULSE MODULATION SYSTEM RF  | •        | 1 6 1     | 12 21   | •     | •     | •     | 39  |                          |
| 847 02-23 00 YOU PERFORM TASKS ON PULSE "ODULATION SYSTEM   | -        | 1 51      | 12 16   | 6 26  | 3     | 31    | 13  |                          |
| FARGURACY CONVENTERS AGE 07-24 NO YOU PROFORM TACKS OF PURSE MODEL ATTOM CYSTEM   | 1.1      |           | 14 31   | -     | 7     | 35    | 33  |                          |
| TOTAL SECTION OF THE PROPERTY |          |           |         |       |       |       | : : |                          |
| DETECTORS   | <u>.</u> | , ,       |         |       | 2     | •     | 25  |                          |

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND ANTENNAS 5PC 036 --6+ SPC 035 SPC = - 62 2 2 0 2 GPSHZB PAGE 5PC 032 S 000 000 ~ 0 0 0 0 0 0 0 0 0 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | YUD 02-20 DO TOU PERFORM TASKS ON PULSE HODULATION SYSTEM YIDEO AMPLIFIERS

YDI 02-27 DO TOU PERFORM TASKS ON PULSE HODULATION SYSTEM POWER VIDEO AMPLIFIERS

902 028-28 DO TOU PERFORM TASKS ON PULSE HODULATION SYSTEM SON PULSE HODULATION SYSTEM STAGES

903 02-29 DO TOU USE ON REFER TO PULSE RECURRENCE FREQUENCY PET MBRS ANSWRING YES FOR 326X1 DAFSC GAPS PERCENT MEMBERS PERFORMING

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AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND GPSHZ8 PAGE 81 PET HERS ANSWANG YES FOR 326X1 DAFSC GRPS TASK GROUP SUMMANY PERCENTING PERCENT MEMBERS PERFORMING

| 3 3 5 6 6 6 7 7 7 8 8 8 7 7 7 8 8 8 7 7 8 8 8 7 8  |        |       |                       |
|--|--------|-------|-----------------------|
| ##55 ##55 ##55 ##55 ##56 ##56 ##56 ##56  |        | 3 5   |                       |
| # 4 5 3 3 0 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 6 6 6 6  |        | 3 3 0 | 5 6                   |
| # ELECTROMAGNETIC  | ľ      | 3 3 0 | , ,                   |
| ## ## ## ## ## ## ## ## ## ## ## ## ##   |        | 3 6 8 | 0                     |
| ##ELECTROMAGNETIC  | -<br>- | 3 7 0 | 4 17                  |
| # ELECTROMAGNETIC  | 9      | ,     | 2 9                   |
| ANTENNAS INDUCTION FIELDS OF 1 0 1 0 2 0 4  RELECTROMAGNETIC 3 4 4 0 2 0 4  ANTENNAS RADIATION IN A INDUCTION FIELD 1 0 1 0 1 0 2  IN A INDUCTION FIELD 1 1 0 1 0 1 0 2  RK ON CIRCULAPLY 18 18 12 16 13 7 0 6  RK ON CIRCULATIONS REPRESE LENGTH FOR 18 12 17 24 6 8 4 1  RK ON CIRCULATIONS RITH CONTAIN PARASITIC 5 0 6 5 1 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 0 2  MITH CONTAIN PARASITIC 5 0 0 0 1 0 0 2  MITH CONTAIN PARASITIC 6 0 0 1 0 0 2  MITH CONTAIN PARASITIC 6 0 0 1 0 0 2  MITH CONTAIN PARASITIC 6 0 0 1 0 0 2  MITH CONTAIN PARASITIC 6 0 0 1 0 0 2  MITH CONTAIN PARASITIC 6 0 0 1 0 0 2  MITH CONTAIN PARASITIC 6 0 0 1 0 0 1 0 |        | -     | 0                     |
| ### ELECTROMAGNETIC  |        |       |                       |
| RELECTROMAGNETIC   3   4   6   2   6   4   4   6   2   6   4   4   6   2   6   4   4   6   2   6   4   4   6   2   6   4   4   6   2   6   4   4   6   2   6   4   6   6   6   6   6   6   6   6   | - 0    | 0 2   | * 2                   |
| ## ELECTROMAGNETIC   |        |       |                       |
| ######################################   |        | 2 0   | 0                     |
| RADIATION  |        |       |                       |
| E PHASE OF ELECTRIC (E) 1 0 2 0 1 0 2  NNA RADIATION FROM CIRCUTTON FIELD 14 12 16 13 7 0 8  RK ON CIRCULATIONS  CALCULATIONS  IN 12 16 13 7 0 8  IN 17 CONTAIN PARSITIC  SAME CALCULATIONS  IN 11 1 2 0 0 2  IN 17 CONTAIN PARSITIC  SAME CALCULATION CALCULATION  MITH CONTAIN PARSITIC  SAME CALCULATION  MITH CONTAIN PARSITIC  MITH CONTAIN PARSITIC  SAME CALCULATION  MITH CONTAIN PARSITIC  MITH CONTAIN PARSITI | 0      | 0     | 2 0                   |
| E PHASE OF ELECTRIC (E) 1 0 2 0 1 0 2  NAME ABOUTTION FIELD  INA INDUCTION FIELD  IN 12 16 13 7 0 6  NAME ABOUTTION FIELD  IN 12 16 13 7 0 6  NAME ABOUTTION FIELD  IN 12 16 13 7 0 6  NAME ABOUTTION FIELD  IN 12 16 13 7 0 6  NAME ON CIRCULARLY  IN 12 16 13 7 0 6  NAME ON CIRCULARLY  IN 12 16 13 7 0 6  NAME ON CIRCULARLY  IN 12 16 11 11 2 0 4  IN 14 12 16 13 13 18 0 20  NAME ON TAIN PARASITIC  NAME ON TAIN PARASI |        |       |                       |
| NAMA RADIATION NAMA RADIATION NAMA RADIATION FRE ON CIRCULARLY  FRE ON |        | 0 1   | 2 0                   |
| PHASE OF FLECTRIC (E)  |        |       |                       |
| RK ON CIRCULARLY         14         12         16         13         7         0         8         4         1           RK ON CIRCULARLY         18         12         17         24         8         4         1           CALCULATIONS         9         0         11         11         2         0         4           CALCULATIONS         9         0         11         11         2         0         4           CALCULATIONS         6         0         11         11         2         0         4           CARRECT LENGTH FOR         5         4         6         5         1         0         2           WITH CONTAIN PARASITIC         5         4         6         5         1         0         2           WITH CONTAIN PARASITIC         5         4         6         5         1         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         2         0         5         2         0         2  | . 0    | 0     | 2 0                   |
| ### ON CINEARLY  |        |       |                       |
| E POLANITY OF ANTENNAS   9 0   1   1   2   6   8   4   1   | 91     | 0 4   | •                     |
| CALCULATIONS  CALCULATIONS  CALCULATIONS  WITH CONTAIN PAPASITIC  WITH TO WITH THE WAS  WERRAYS  WAS AN OFFICE TO WE WAS AN ON   | 1.1    | 60    | 4 17                  |
| CALCULATIONS   | Ξ      | 0     | 0                     |
| #ITH CONTAIN PARASITIC 5 9 6 5 1 0 2 #ITH CONTAIN PARASITIC 5 0 6 5 1 0 2 #ITH CONTAIN PARASITIC 5 9 6 5 1 0 2 #ITH CONTAIN PARASITIC 5 9 6 5 2 0 2 #ITH CONTAIN PARASITIC 5 9 6 5 2 0 2 #ITH CONTAIN PARASITIC 5 9 6 5 2 0 2 #ITH CONTAIN PARASITIC 5 9 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |        | -     | •                     |
| MITH CONTAIN PARASITIC 5 0 6 5 1 0 2 MITH CONTAIN PARASITIC 5 0 6 5 1 0 2 MITH CONTAIN DON'T 23 27 23 21 22 31 20 2 MITH CONTAIN DON'T 23 27 23 21 22 31 20 2 MITH CONTAIN DON'T 23 27 23 21 22 31 20 2 MITH OFFICE TONALITY 18 19 19 13 14 23 12 1 MARANS MAR |        |       |                       |
| ### ### ##############################   |        | -     |                       |
| CTORS  EVENTS  TO WORK MITH CONTAIN PARASITIC  TO STOU WORK MITH CONTAIN DON'T  TO STOU WORK MITH TRANSMISSION  TO STOU WORK MITH CONTAIN DOS STOU WORK  TO STOU WORK MITH CONTAIN DOS STOU WORK  TO STOU WORK MITH CONTAIN DOS STOU WORK  TO STOU WORK MITH CONTAIN DON'T  TO STOU WORK MITH CONTAIN DON'T DON'T  TO STOU WORK MITH CONTAIN DON'T DON'T DON'T DON'T  TO STOU WORK MITH CONTAIN DON'T DON' |        | 0     | 2 0                   |
| ECTORS  FURTHS  FINETYS  FINET |        |       | , 2                   |
| EMENTS  [RECTIONAL ENTENNAS  [ | 1,7    | 2.3   |                       |
| PECTIONAL ANTENNAS   | 3      |       |                       |
| RECTIONAL ANTENNAS         14         12         14         13         6         8         6           TAR ANTENNA ARRAYS         18         19         19         13         14         23         12           TAR ANTENNA ARRAYS         5         4         5         9         5         9         0 <td></td> <td>0</td> <td>3,8</td>  |        | 0     | 3,8                   |
| T REMEMBER THE DIRECTIONALITY 18 19 19 13 14 23 12 1  TAR ANTENNA ARRAYS  OF YOU MORE WITH TRANSMISSION 9 12 6 11 31 54 31 1  S. ARE OFFINED TO INCLUDE LEADS  S. ARE OFFINED TO INCLUDE LEADS  1 0 0 3 2 0 2  | 12     | 60    |                       |
| STAR MATERNA ARRAYS  S 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | -      | 23    | 7 13                  |
| 5 CO YOU MONE #174 TRANSMISSION 9 12 6 11 31 54 31 1 25 6 15 6 16 31 54 31 1 1 25 6 16 17 14 17 14 17 17 17 17 17 17 17 17 17 17 17 17 17  | 5      | C     |                       |
| SS APE DEFINED TO INCLUDE LEADS USF COPPER LOSS OF 128 LOSS IN 1 0 0 3 2 0 2   | 12 6   | 1     | 1 17                  |
| USF COPPER LOSS OF 124 LOSS IN 1 0 0 3 2 0 2   |        |       | TOTAL TOTAL PROPERTY. |
|  | 0      | 2 0   | 7 7                   |
|  |        |       | LINES                 |

F HUHAN RESOURCES LABORATORY ALTR FORCE SYSTEMS COMMAND C 0 0 0 0 5PC 037 1 ~ 2 . 0 0 0 ~ ~ 0 0 5PC 036 0 0 2 AF 5 p c O 0 0 0 a 'n 0 0 5 'n 0 0 5 P C 26 O SPC 033 0 0 0 0 0 S œ =0 0 0 un 0 0 5PC 032 0 0 0 0 O 0 0 - 0 5 1 0 0 0 0 SPC 13 13 00 O 0 0 0 0 O 0 0 0 0 0 0 0 O 0 0 THANSHISSION LEASONE STANDING MARE MATIOS (SMR) OF THANSHISSION LINES

PASS P1-17 DO TOU PERFORM THE CALCULATIONS MECESSARY TO DETERMINE THE IMPEDANCE AND LENGTH OF SUBPILE MAYELENGTH OF STERMINE THE IMPEDANCE AND LENGTH OF SUBPILE MAYELENGTH OF SUBPILES WHICH ARE MATCHED TO 1000 YOU MONK ATTH TRANSMISSION LINES MHICH ARE MATCHED TO 1000 YOU MONK ATTH TRANSMISSION LINES MHICH ARE MATCHED TO 1000 YOU MONK ATTH TRANSMISSION LINES ANICH ARE MATCHED TO 1000 YOU MONK ATTH TRANSMISSION LINES ANICH ARE MATCHED TO 1000 YOU WON THE TYPE OF TRANSMISSION LINES ANICH ARE MATCHED TO TOUR STANDING TO TECHNICAL DATA OF TO TOU USE OF REFER TO THE TERM CHARACTERISTIC IMPEDANCE (20) OF TRANSMISSION LINES AND TOU USE OF REFER TO THE TERM CUTOFF FREQUENCY OF TRANSMISSION LINES OF THE WASHISSION LINES OF THE WASHISSION LINES OF TRANSMISSION LINES OF THE WASHISSION LINES OF TRANSMISSION LI LINES
PSS PINGS DO YOU USE OR MEFER TO DIFLECTFIC LOSS IN
PRASHISSION LINES
PSS PINGS DO YOU USE OR REFER TO LEAKAGE LOSSES IN TRAYSMISSION 956 PI-04 DO YOU REFER TO OR USE HADIATION LOSS IN TRANSMISSION 959 PI-UT DO YOU WORK MITH TRISTED PAIR TRANSHISSION LINES
960 PI-UB DO YOU WORK MITH TWIN LEAD TRYINSISSION LINES
961 PI-OP DO YOU WORK MITH FLEXIBLE TRANSHISSION LINES
962 PI-ID DO YOU WORK MITH FLEXIBLE COAXIAL CABLE TRANSHISSION B 979 PI-27 DO TOU CONSTRUCT TRANSMISSION LINES OF PARTICULAR ELECTRICAL LENGTH FOR GIVEN FREQUENCIES PURE THAT AS THE PREDUCTOR THAT AS THE FREQUENCIES. 965 PI-13 DO TOU TRUBLESHOOT TRANSHISSION LINES
965 PI-13 DO TOU AMARYZE VOLTAGE OF CURRENT MAYEDRMS IN
966 PI-14 SH 75310A LINES
966 PI-14 DO TOU SELECT APPOPALIATE TRANSHISSION LINES
967 PI-15 DO TOU USE OF REFER TO SCHWATIC STMBOLS FOR LINE
1EMPHATIONS IN TERMS OF CIRCUIT STMBOLS FOR LINE
968 PI-16 DO TOU MEASURE STANDING MAVE RATIOS (SR) OF DO YOU WORK WITH HIGID COAXIAL CABLE TRANSMISSION PET MERS ANSWANG YES FOR 326X1 DAFFC GAPS DY-75K TASK GROUP SUMMANY PERCENT MEMBERS PERFORMING 531.17 963 PI-11

AT HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND WAVEGUIDES AND CAVITY RESONATORS SPC 037 5PC 036 5PC 035 . \*\*\*\*\*\*\*\*\*\* 0 83 SPC 034 0 0 GPSHZB PAGE SPC ~ ~ 0 0 5PC 032 -0 0 0 0 - 0 0 0 0 0 - 6 SPC 0 0 0 0 5PC 04 60 - 81 - 8 - 7 0 797 7-6-01 DU TOU MONK MITM MAVEGUIDES ON CAVITY RESONATORS IN
70.02 DO 700 INSPECT MAVEGUIDES ON CAVITY RESONATORS
98.5 P2-02 DO 700 INSPECT MAVEGUIDES ON CAVITY RESONATORS
98.6 P2-03 DO 700 CLEAN MAVEGUIDES ON CAVITY RESONATORS
98.8 P2-04 DO 700 BEND WAVEGUIDES ON CAVITY RESONATORS
98.9 P2-04 DO 700 PRESSURIZE MAVEGUIDES ON CAVITY RESONATORS
98.9 P2-05 DO 700 PRESSURIZE MAVEGUIDES ON CAVITY RESONATORS
99.9 P2-05 DO 700 PRESSURIZE MAVEGUIDES ON CAVITY RESONATORS
99.9 P2-07 DO 700 PRESSURIZE MAVEGUIDES ON CAVITY RESONATORS
99.9 P2-07 DO 700 PROVE ON INSTALL DAMMY LOADS
99.9 P2-11 DO 700 REMOVE ON INSTALL DAMMY LOADS
99.9 P2-12 DO 700 REMOVE ON INSTALL OFFICE MAVEGUIDES
99.9 P2-13 DO 700 REMOVE ON INSTALL GHONS
99.9 P2-13 DO 700 REMOVE ON INSTALL GHONS
99.9 P2-14 DO 700 REMOVE ON INSTALL GHONS
99.9 P2-15 DO 700 REMOVE ON INSTALL GHONS
99.9 P2-15 DO 700 REMOVE ON INSTALL GHONS
99.9 P2-15 DO 700 REMOVE ON INSTALL GHONS
99.9 P2-16 DO 700 REMOVE ON INSTALL OF MAVEGUIDES
99.9 P2-22 DO 700 USE ON REFER TO "B" WALL OF MAVEGUIDES
90.9 P2-22 DO 700 USE ON REFER TO "B" WALL OF MAVEGUIDES
90.7 P2-22 DO 700 USE ON REFER TO "B" WALL OF MAVEGUIDES
90.7 P2-23 DO 700 USE ON REFER TO "B" WALL OF MAVEGUIDES LINES
P 96.2 PI-30 DO YOU WORK WITH RESONANT TRANSMISSION LINES
P 98.3 PI-31 DO YOU WORK WITH TRANSMISSION LINES WHICH ARE MATCHED CONDITIONS
CONDITIONS MHICH MAVEGUIDES ARE MADE OF A MAVEGUIDE FOR SPECIFIC O LOADS USING STUR HATCHING 4 981 PI-29 DO YOU WORK WITH NONRESONANT (FLAT) TRANSHISSION PIUGA PZ-23 DO YOU USE OR REFFR TO POWER-DETERMINING MALL OF MAYEQUIDES MAYEQUIDES ON MEFER TO ELECTRIC FIELD BOUNDARY CONDITIONS PICT OF REFER TO MAGNETIC FIELD BOUNDARY CONDITIONS CONDITIONS PREFER TO DUPLEKER FIELD BOUNDARY PCT MBHS ANSWANG TES FOR 326X1 DAFSC GRPS TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING INSTALLATION MAVEGUIDES P1004 P2-21 00 P1001 P2-18 P1003 P2-20 P1000 P2-17

| TASK GROUP SURKARY<br>BERGENT HEMBERS PERFORMING   |            |            |       |       |        |      |       |                           |
|--|------------|------------|-------|-------|--------|------|-------|---------------------------|
| x 5 1 - 7 0  | SPC<br>030 | SPC        | 5 P C | 5PC 9 | 5 PC 5 | 35.0 | PC 5P | 2                         |
| U USE THE RIGHT HAND RULE TO DETERMINE T   | 0          | 0          | 0     | 0     | -      | 0    | 2     | à                         |
| TION OF PROPAGATION, DIRECTION OF HEM FIELD.<br>DO YOU USE ON REFER TO THE TIME PHASE OF PEA   | 201        | 0          | -     | 0     | 2      | 00   | ~     | 0                         |
| A PZ-33 DO TOU MEASURE T   | -          | 0          |       | 0     | -      | 0    | 2     | 0                         |
| PANEGUIDES   | 0          | 0          | O     | a     | 2      | 30   | 64    | 0                         |
| PROBES USED ON ALVEGUIDES UR CAV   | (2)        | 0          | 7     | 16    | m      | 0    | 4     | 0                         |
| RESONATORS YOU WORK HITH PROPES USED ON MAVEGUIDES   | 1          | 0          | 0     | æ     | 7      | 0    | 0     |                           |
| RESONATORS YOU WORK MITH PZ-37 ARE LOOPS USED ON WAVEGUIDES OF CAVITY RESON  | 'n         | 0          | sife  | æ     | 2      | 0    | 2     | ,                         |
| YOU WORK WITH  | 1          | C          | 4     |       | -      | œ    | 3     |                           |
| OF THE RESIDENCE INTERCED A INTURE COURSE OF THE COURSE OF |            | , -        | 2 0   | . a   | 1 2    |      |       |                           |
| O'S MAYEGUIDES OR CAVITY RESONATORS YOU MORK MITH  | 7,7        | 1          | 0     |       |        |      | •     |                           |
| 07.0   | ٥          | 0          | a     | 0     | 7      | 00   | 2     |                           |
| DETERMINE THE POSITIONING OF LOOPS IN  | 0          | 0          | 0     | 0     |        | 0    | 2     | 0                         |
| E THE POSITIONING OR SIZE OF APERT   | 0          | D          | 0     | 0     | -      | 0    | 2     | 9                         |
|  | *          | 0          | 5     | ısı   | 40     | æ    | 7     | 7                         |
| RESOURCE NO WORK ALLES OF SECTION | 4          | 60         | 17    | 21    | -      | 0    | y     | r                         |
| RESOLUTIONS YOU WORK WITH THE PROPERTY OF THE  | 2.4        | 2.1        | 27    | œ     | -      | 00   | C     | 7                         |
| MAKEGUIDES OF CAVITY RESOLUTIONS YOU WORK NITH   |            |            |       |       |        |      |       |                           |
| PZ-46 DO TOU TUNE CAVITY RESONATORS USING  | יט ח       | <b>3</b> 3 | 0 3   | n a   | 7 .    | n a  | 7 .   | 7 0                       |
| TOTAL TOTAL TANGENT AND TOTAL  | 0          | - 00       | 1 3   | o un  | v un   | ) 10 |       | . 0                       |
| P2-49 DO YOU TUNE CAVITY RESONATORS USING DON  | 20         | 6-         | 0     | 2.1   | 0      | 5    | æ     | 0                         |
| THE METHOD OF TONING   | 2.7        | 5          | 25    | 3.7   | sac    | 30   | 0     |                           |
|  |            | -          |       | -     |        |      | -     |                           |
| G BAY TURES (TAT), PARAMETRIC APPLIFI  | 7          | 9          | 6.    | 4.2   | 50     | 2 6  | 86 78 |                           |
| EFER TO INTERELECTRODE CAPACITA  | r          | 0          | 5     | 2     | 23     | 23   | 22 2  | MICROWAVE                 |
| P3-03 DO TOU USE OF PEPER TO ELECTRON TRANSIT 1  | 9          | 3          | 2     | 2     | 3      | an   |       | AMPLITICKS<br>ACCT : ATOM |

SAND PET MBRS ANSWRING TES FOR 326X1 DAFSC

GPSHZB PAGE

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HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND V 00 00 00 5PC 037 0 0 0 0 c 0 5 0 1 4 5PC 036 22222222 20 NODONNNOC 0 0 5PC 035 0 7 2 4 8 6 7 7 7 7 7 9 9 9 9 7 7 23 5 85 SPC 034 1 12 29 5 P C 5PC 032 0 31 22 30 4 0 SPC 3115 0 7 9 9 9 9 9 0 0 0 O 5 PC 0 33 0 PRINCIPLE OF ELECTRON VELOCITY MORK MITH UP-CONVERTER PARAMETRIC AMPLIFIERS MORK MITH MAGNETROUS INSPECT ALYSTRONS OR THI YOU TROUBLESMOOT KLYSTRONS OR THT YOU REHOVE OR REPLACE COMPLETE KLYSTRON OR THI YOU REHOVE OR REPLACE KLYSTRON OR THI COMPONENTS YOU INSPECT PANAMETHIC AMPLETERS COMPONENTS

COMPONENTS

P1064 P3-31 DO TOU INSPECT MAGNETRONS

P1065 P3-31 DO TOU CLEAN MAGNETRONS

P1066 P3-33 DO TOU CLEAN MAGNETRONS

P1068 P3-34 DO TOU TOUGH MACHETRONS

P1068 P3-34 DO TOU TOUGH POPERATIONAL CHECKS OF MAGNETRONS

P1070 P3-34 DO TOU TOUGH COMPLETE MAGNETRONS

P1070 P3-35 DO TOU TOUGH COMPLETE MAGNETRONS

P1071 P3-34 DO TOU MEDVE OF REPLACE COMPLETE MAGNETRON

P1072 P3-34 DO TOU REDVE OF REPLACE COMPLETE MAGNETRON

P1072 P3-34 DO TOU WE DVE OF REPRET TO THE OPERATING PRINCIPLES OF

P1073 P3-34 DO TOU USE OF REFER TO THE OPERATING PRINCIPLES OF 6 0 0 S PIOSE P3-25 DO TOU ADJUST PARAMETRIC AMPLIFIERS
PIOSE P3-26 DO TOU TUNE PAPAMETRIC AMPLIFIERS
PIOSE P3-26 DO TOU PERFORM OPERATIONAL CHECKS OF PAPAMETRIC
AMPLIFIERS
PIOSE P3-26 DO TOU TROUBLESHOOT PARAMETRIC AMPLIFIERS
PIOSE P3-27 DO TOU FEMOUR OR REPLACE COMPLETE PAPAMETRIC THO-CAVITY KLYSTRONS CATCHER CAVITIES PRINCIPLES PIGGA PA-1 DO TOU USE OF REFER TO THE OPERATING PRINCIPLES YOU INSPECT ALYSTRONS OR THIT TOU CLEAN KLYSTRONS OR THIT YOU TUNE KLYSTRONS ON THIT ELECTRICALLY YOU TUNE KLYSTRONS ON THIT MECHANICALLY TOU PERFORM OPERATIONAL CHECKS OF KLYSTRONS YOU PENOVE OR REPLACE PARAMETRIC AMPLIFIES HEFER TO RF LOSSES IN EXTERNAL USE OR REFER TO ELECTRON BUNCHING BORK MITH TMO-CAVITY KLYSTRONS BORK MITH HREE CAVITY KLYSTRONS BORK MITH PEFLEX KLYSTRONS BORK MITH TRAVELING-WAVE TURES (TAT) MOHK MITH NONOEGENERATIVE PARAMETRIC CLEAN PARAMETRIC AMPLIFIERS THO-CAVITY KLYSTRONS CATCHER GPIDS OR PEFER TO TASK GROUP SUMMARY
PERCENT HEMBERS PERFORMING 80 F3-05 Do You USE CIRCUITRY F3-06 DO YOU USE P3-110 00 400 F3-110 00 400 F3-110 00 400 F3-110 00 400 F3-110 F3 AMPLIFIER 00 0000 00000 P3-16 P3-18 P3-19 P1038 P3-05 P3-20 P3-54 P 3-15 P 3-22 63-53 P1054 P1056 P1056 61039

| TASK GROUP SUMMARY   |              |     |       |             |      |            |       |     |
|--|--------------|-----|-------|-------------|------|------------|-------|-----|
| X (5 + + + + C)  | 5 P.C<br>030 | SPC | 5 P C | 5 P C 0 3 3 | 5 PC | SPC<br>035 | 5PC 3 | SPC |
|  |              | 0   |       | m           | -    | 90         | 0     | 0   |
| THOUCANTY KLYSTHONS FREDRACK LOOPS P3-43 ON YOU USE ON REFER TO THE OPERATI                                    | -            | 0   |       | 0           | -    | 8          | С     | 0   |
| TWO-CAVITY RITER RONS DRIFT SPACES TWO-CAVITY RITER SPACES P3-44 DO TGU US. OR REFER TO THE OPERATING PRINCIPL |              | 0   | 0     | m           | -    | 90         | c     | 0   |
| TRONS BUNCHER GRIDS<br>OR REFER TO THE OPER  | -            | 0   | 0     | •           | -    | 202        | ٥     | 0   |
| 7.0-CAVITY (LYS)<br>P3-46 30 700 USE   | -            | 0   | D     | ~           | 61   | 15         | 0     | 0   |
| THO-CAVITY KLYSTRONS CONTROL GRI   | -            | 0   | -     | n           | 2    | 5          | 0     | 0   |
| TWO-CAVITY KLYSTRONS CATHODES PR-CAVITY OPERATING  | 1            | r   | 7     | -           | 2    | 5.         | 0     | 0   |
| PEFLEX KLYSTHO', REPELLER IN   | ٥            | ,   | •     | 900         | n    | 23         | 0     | D   |
| REFLEX KLYSTHON GRIDS<br>P3-50 30 TOU USE OF REFER TO  | 7            | a   | ,     | œ           | 2    | 5          | 0     | 0   |
| REFLEX KLYSTRON GRID CAV   | •            | 0   | 11    | =           | 2    | 5 !        | o     | 0   |
| REFLEX KLYSTRON RESONANT CAVITIES P3-52 DO YOU US. OR REFER TO THE OPERATING PR                                | ٠            | 7   | 2     | 'n          | 2    | 'n         | 0     | 0   |
| REFLEX KLYSTRON  | 0            | o   |       | =           | ~    | 5          | 0     | 0   |
| REFLEX KLTSTROW FILAMENTS  | ,            | о   | æ     | -           | ~    | 5          | O     | 0   |
| REFLEX KLTSTRON CATHODES P3-55 DG YOU USE OF REFER TO THE OPE  | 01           | *   | 90    | 9           | ~    | 5          | o     | 0   |
| PREFLEX KLYSTRON OUTPUT LEADS  | 2            | a   | r     | 0           | 57   | •          | 0.0   | 61  |
| PANELING-MAVE T  |              | 0   | 2     | o           | 9    | 62         | 69    | 61  |
| TRAVELING-MAVE TUBES CATHODES<br>P3-58 DO YOU USE OR REFER TO THE  | -            | 0   | -     | •           | 56   | 40         | 57    | 6.1 |
| TRAVELING-FLYE TUBES HODULATOR GRIDS DIEGS P3-59 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF            | 2            | 0   | ~     | m           | 57   | 2.         | 6.5   | 5.7 |
| THAVELING-ALVE TUBES ANDDES  | -            | o   | 146   | •           | 25   | 38         | 53    | 57  |
| PA-SI DO TOU USE OF REFER TO TH  | ٠            | •   | σ     | 6           | õ    | 62         | 5.9   | 52  |
| PANELING-KAVE TUBES CO   | •            | *   | 2     | S           | 29   | 38         | 29    | 22  |
| PALVELING-RAVE TUBES MAGNETS   | 2            | 0   | •     | 'n          | 0.   | 8 2        | *     | 39  |
| PRACELLAGINATION TUBES ATTENDATORS   | 0            | 0   | 0     | o           | -    | 0          | 24    | ٥   |
|  |              |     |       |             |      |            |       |     |

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND DIGITAL TO ANALOG CONVERTERS STORAGE DEVICES REGISTERS SPC 037 35 ~ 3 30 26 30 300 -A.F 000000 33 32 23 0 2 87 31 22 22 GPSHZB PAGE 56 2 7 • 0 9 2 0 0 0 00001 2 71 0 0 0 8 • 20 PIDOP P3-66 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER IDLER PILOD P3-67 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER VARACTOR FILOZ P3-69 DO 700 PERFORM TASKS ON PARAMETRIC AMPLIFIER REVERSE-FERRITE 01124 9208 00 700 USE OR REFER TO VOLATILITY OF MEMORY SYSTEMS
21125 92-09 00 700 USE OR REFER TO LOGIC SYRBOL OF DELAY LINES
21126 92-09 00 700 USE OR REFER TO LOGIC SYRBOL OF DELAY LINES
21126 93-03 1 14 7004 PRESENT JOB. 50 700 MORK WITH DIGITAL—70—
21127 34-03 1 14 7004 PRESENT JOB. 50 700 MORK WITH DIGITAL—70—
21127 34-03 10 1004 COMPRESENT VOLTAGES FOR GIVEN INPUT
21128 93-03 50 700 USE OR REFER TO THE GEWERAL RULE THAT THE
COUNT IN ELECTROMECHANICAL DIGITAL—TO-ANALOG (D/A) ò SILLS 41-06 DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF OTHER TIPE OF THE STATE OF EACH FLIP-FLOP OF A SHIFT REGISTERS SHIFT REGISTER A SPECIFIED NUMBER OF SHIFT PULSES SHIFT REGISTER A SPECIFIED NUMBER OF SHIFT PULSES SHIFT REGISTERS, ON STORAGE DEVICES IN TOUR PRESENT JOB STORAGE DEVICES IN TOUR PRESENT JOB STORAGE DEVICES IN TOUR PRESENT DO SHIFT DO SHIFT PULSES SHIFT OF STORAGE OF TOURS OF TOUR SECRET TO MAGNETIC CORES SHIFT OF TOURS OF TOUR SECRET TO MAGNETIC TAPES SHIFT DO TOUR SECRET TO MAGNETIC TAPES SHIFT DO TOUR SECRET TO MAGNETIC TAPES SHIFT DO TOURS OF REFER TO MAGNETIC TAPES SHIFT DO TOUR SECRET TO MAGNETIC TAPES SILLS STOWN ON THE OR REFER TO LOGIC SYMBOLS OF STORAGE REGISTERS
SILLY GI-OS DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS
SHIFT REGISTERS SIIZ3 92-57 DO YOU USE OF PEFER TO WORD CAPACITY OF MEMORY PILOI P3-68 DO YOU PERFORM TASKS ON PARAMETRIC AMPLIFIER PIIO3 P3-70 DO YOU PERFORM TASKS ON ANDDES COLING PINS PIIO5 P3-71 DO YOU PERFORM TASKS ON ANDDE COOLING PINS PIIO5 P3-72 DO YOU PERFORM TASKS ON COUPLING LODPS PIIO5 P3-73 DO YOU PERFORM TASKS ON RESONANT CADS PIIO7 P3-75 DO YOU PERFORM TASKS ON RESONANT CADS PIIO8 P3-75 DO YOU PERFORM TASKS ON CATHODES PCT MBRS ANSWANG YES FOR 326X1 DAFSC GRPS TASK GROUP SUNNARY PERCENT HEMBERS PERFURNING REGISTERS SYSTEMS

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND GPSHZR PAGE 88 PET MARS ANSWARD TES FOR 326X1 DAFFE GRPS

TASK GHOUP SUMMARY PERCENT MEMBERS PERFORMING

|  | 030 0 | SPC SPC 031 0. | SPC SPC<br>032 03. | 3 034 | 580        | SPC<br>036 | SPC<br>037 |                         |
|--|-------|----------------|--------------------|-------|------------|------------|------------|-------------------------|
| 3-04 DO YOU COMPUTE AVALDG VOLTAGES FOR GIVEN BINARY   | 2     | 0              | 2                  | 5     | 3 15       | 2          | 0          |                         |
|  | un    | ø              | S                  | 5     | 2 0        | 7          | 0          |                         |
| ANALUG-TO-DIGITAL (AZD) CONVENTER CIRCUITS 93-06 DO YOU PERFORM HOLD FUNCTION TASKS ON VARIABLE TIME | 4     | æ              | 0                  | 90    | 0          | 2          | 0          |                         |
| CIRCUITS   | 9     | 1.2            | ī                  | 60    | 2 0        |            | 0          |                         |
| CONVERTER CIRCUITS FUNCTION TASKS ON VARIABLE  | un    | 10             | 'n                 | •     | 0          | 1          | 0          |                         |
| CONVERTER CIRCUITS   | •     | ,              | -                  | a     | a          | 3          | o          |                         |
| ON VARIABLE TIME ANALOGATO-DIGITAL (A/D) CONVERTER   |       |                |                    |       | 0          |            |            |                         |
| SAMPLE FUNCTION OF A/D   | •     | T              | œ                  | 3     | ao<br>us   | 2.         | r          |                         |
| OLD FUNCTION OF AZD  | 1     | 1              | œ                  | 2     | <b>a</b> 0 | -0         | *          |                         |
| COMPARE FUNCTION OF AZD  | 1     | œ              | 1                  | 5     | 3 8        | 7          | 0          |                         |
| DIGITAL FUNCTION OF AZD  | ,     | æ              | 60                 | •     | 90         | 9          | 7          |                         |
| ON MECHANICAL ANALOG-10-   | ,     | no             | •                  | =     | 5 15       | 2          | ,          |                         |
| STRON CIRCUITET IN YOUR  | -     | 0              | 1                  | 3 6   | 5 15       | 3          | 0          | PHANTASTRONS            |
| GU MORK MITH SCHHITT TRIGGER   | 6     | 5              | 16 2               | 29 3  | 3 54       | 3.1        | 26         |                         |
| THROUGH SCHMITT TRIGGER  | 1.2   | *              | 1.1                | 8 2   | 5 31       | 25         | 2.5        | SCHMITT TRIGGERS        |
| SCHMITT TRIGGER LOGIC SYMBOLS  | 11    | ,              | -                  | 16 2  | 3 38       |            | 1.7        |                         |
| FASHICATE MULTICOMOUCTOR   | 3)    | 2.1            | 7                  | 4     |            | 47         | - 9        | CABLE FASRICATION       |
| CABLES   | 51    |                | 53 5               | 19 8  | 62         | 10         | 19         |                         |
| ON NIXIE CIENTS OF VIXIE   |       | 23             |                    | . 0   |            |            | 30         |                         |
| ECODER SYSTEMS L   | L/Y   | 0              |                    |       |            |            | 0          | INPUT/OUTPUT<br>DEVICES |
| THEFT IN YOUR PRESENT  | -     | -              | 17                 | -     | 1          |            | -          |                         |
| BAGGED   | 1     |                | -                  | -     | -          | +          | -          | PHOLO SENSI LIVEDEVICES |
| ENCIES   | 0     | 0              | 0                  |       |            |            |            |                         |
| DO TOU MEASURE VOLTAGE-CURRENT PHASE RELATIONSHIPS   | 0     | 0              | 0                  |       | a.         | *          | 3          | SYNCHRONOUS VIBRATIONS  |
| 0 × 0  | 0     | 0 0            | 0                  | 0     | 00 0       | *          | 0          | (CHUPPER CIRCUIS)       |
| TOTAL STREET   | ,     | ,              | 5                  |       | c          | 9          | 5          |                         |
| NOUNCTION WITH CHOPPER   | ٦     |                | 2                  | 5     | 23         | a          |            |                         |

| PECHNING  OYTISE  OYTISE  OSE DETECTORS IN CONJUNCTION WITH CHOPPER  ATION  USE ERROR SIGNAL DEVICES IN CONJUNCTION WITH  UIT OPERATION  UIT  |                    |       |            |            |            |     |            |          |
|--|--------------------|-------|------------|------------|------------|-----|------------|----------|
| CHACKLY OPERTION SUBJECT TO DESCRIPTION CHOPPER CIRCLY OPERATION CHOPPER CIRCLY OPERATION CHOPPER CIRCLY OPERATION CHOPPER CIRCLY OPERATION THOUSE CIRCLY OPERATION THOUSE CIRCLY OPERATION THOUSE CIRCLY OPERATION THOUSE SUBJECT TO BE THE SERVE |                    |       |            |            |            |     |            |          |
| S3-07 Do Tou USE DETECTORS IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION S3-08 DO TOU USE ERROR SIGNAL DEVICES IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION S3-09 DO TOU USE COMPARISON CIRCUITS IN CONJUNCTION WITH CONPERS CIRCUIT OPERATION TI-OI DOES TOUR PRESENT JOB INVOLVE ANY TASKS DEALING WITH THEMSE OF SYSTEMS   |                    |       |            |            |            |     |            |          |
| SA-07 DO TOU USE DETECTORS IN CLECTORS IN CLECTORS IN CLEOPER CIRCUIT OPERATION CANDERS SA-08 DO TOU USE COMPARISON CANDERS COMPARISON CANDERS COMPARISON CANDERS COMPARISON CANDERS COMPARISON CANDERS COMPARISON COMPARISON COMPARISON COMPANIES CANDERS COMPARISON COMPANIES CANDERS CA | SPC SPC<br>030 031 | C 5PC | 5PC<br>033 | 5PC<br>034 | 5PC<br>035 | 5°C | SPC<br>037 |          |
| SA-OB DO TON USE ERROR SIGNA<br>CHOPPER CIRCUIT OPERATION<br>CAOPPER CIRCUIT OPERATION<br>CAOPPER CIRCUIT OPERATION<br>THOU DOES TOUR PRESENT JOB<br>THOU DOES TOUR PRESENT JOB<br>THOU DOES TOUR PRESENT JOB  |                    | ,     | S          |            | 23         | 12  | •          |          |
| CHOPPER CIRCUIT OPERATION SINGS DO TOU USE COMPARISON CAUCHER CIRCUIT OPERATION THOSE STOUR PRESENT JOB THOSE DO TOU INCREME   | ,                  | *     | 40         | 0          | 23         | 9   | •          |          |
| CAUPTER CIRCUIT OPERATION CAUPTER CIRCUIT OPERATION TI-01 DOES TOUR PRESENT JOB TI-02 DO TOU INCREME   |                    |       |            |            |            | ?   |            |          |
| TITOL DORS TOUR PRESENT CONTINUES OF THE PRESE | s                  | 4 5   | •          | Ξ          | 23         | 12  | •          |          |
| INFRARE STRENS   |                    | 1     | 1          |            | -          |     |            |          |
| TI-UZ GO YOU INSPECT INFRANCO  | •                  | 0     | •          | 9          | 9          | 9 2 | 6.5        |          |
|  |                    | 3     |            | ,          | 7          | 4   | 4          |          |
| 11-03 00 TOU CLEAN INFO.BEN CY   |                    |       |            | 2 .        |            | 3   |            |          |
| 11-0* 30 700 40.057 08 541.  |                    |       |            |            | . 4        | 7 6 | 25         | INFRARED |
| 11-05 DO TOU DECEMBER 14-05  |                    |       |            | 3 3        |            | 3 3 | 23         |          |
| 11-74 DG TOU TROUBLESHOOT -  | . ~                | 7     | , ~        | ) a        | 3.5        | 2   | 25         |          |
| \$1576#5   |                    |       |            |            |            |     |            |          |
| 1145 TI-37 DO TOU TROUBLESHOOT MAJOR ASSEMBLIES OF INFRARED  | •                  | 7     | S          | 53         | 38         | 5,  | 25         |          |
| Switzer of the control of the contro | ,                  | 3     |            | 9          |            | ć   | ;          |          |
| CO CONTRACT DE STATE   |                    |       | >          | 0.         | 0          | 40  | ?          |          |
| 1167 TI-DE DO TOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF  | •                  | •     | ٦          | 5.1        | 5.4        | S   |            |          |
| INFRAMED STSTEMS   |                    |       |            |            |            |     |            |          |
| 1168 TI-10 DO TOU REMOVE OF REPLACE INFRAPED SYSTEM  | •                  | •     | r          | 37         | *          | 35  | 35         |          |
| CO-PONENT PARTS  |                    |       |            |            | •          |     | ;          |          |
| 100 000  | 5 6                | 0 0   | 0          | 63         |            | 5.5 | 3.3        |          |
| 1013 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |                    |       |            | 2 2        | 2.5        | 25  | 22         |          |
| * 30 YOU USE OR REFER TO   |                    |       |            |            | 4          | 3,  | 30         |          |
| 11-15 00 10U USE OR REFER TO   |                    |       |            | 30         | 38         | 58  | 20         |          |
| -16 DO TOU USE OF REFER TO   |                    |       |            | 9          | 4          | 63  | 19         |          |
| TOU USE OR REFER TO  |                    |       |            | 34         | 36         | 37  | 56         |          |
| TI-18 DO TOU USE OF REFER TO S   |                    |       |            | 54         | 15         | 22  | 26         |          |
| 11-19 30 TOU USE OR REFER TO   |                    |       |            | 4          | 36         | 5.  | ?          |          |
| TI-26 DO YOU PERFORM TASKS ON BL   |                    |       |            | S          | 90         | •   | ,          |          |
| DO TOU PERFORM TASKS ON  |                    |       |            | œ          | <b>6</b> 0 | ,   | 17         |          |
| TI-22 DO TOU PERFORM TASKS ON  |                    |       |            | <u>*</u>   | 53         | -   | •          |          |
| DO TOU PERFORM TASKS ON  |                    |       |            | 50         | 3.         | 20  | -          |          |
| TI-ZE DO TOU PERFORM TASKS ON  |                    |       |            | 17         | 15         | æ   | 1.1        |          |
| 11-25 DG TOU PERFORM TASKS ON  |                    |       |            | 3          | 4          | 25  | 35         |          |
| TI-ZE DO TOU PERFORM TASKS ON  |                    |       |            | =          | •          | 12  | 13         |          |
| TI-27 DO TOU PERFORM TASKS ON PLANE MIRRORS  |                    |       |            | 13         |            | *   | 13         |          |
| TITES TZ-GI DOES TOUR PRESENT JOR INVOLVE ANY TASKS DEALING WITH   |                    |       |            | 0          | 0          | o   | o          |          |
| TITAL TAGES OF THE PART 1 ASER CASTOMS   |                    |       | •          | c          | c          | C   |            |          |
| TIME TATO TO TOUR TANK STATES  | . 0                |       | . 0        |            | 0          | o c | . 0        | LASERS   |
| TZ-C4 DO YOU OPERATE LASER   |                    |       | •          |            | 0          | c   | 0          |          |
| 12-35 30 700 OPERATE LASER S   | _                  |       | •          |            | 0          | c   | 0          |          |
| 12-36 30 TOU TROUBLESHOOT #1   |                    |       | C          | •          | 0          |     | a          |          |

GRABS MBRS ANSARNG TES FOR 32621

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A 18 FORCE SYSTEMS COMMAND DISPLAY TUBES 00000 00 + + 000000 0 0 0 000000000 SPC 0 -30 000000000 58C 036 0 00000000000000 0 0 7 0 7 9 n: 0 SPC 035 œ 00 œ 100 0 9 50002 2 4 S P C 0 3 # C 0000000000 00000---00 0 8 2 2 2 2 2 ---50 SPC 0 0 0 0 0000000000000 0 000000000 22222 37 9 5 P C 000000000 0 0 00000000000000 0 70 10 0 22 290 0000000000 0 0 0 0 00000000000000 20000 53 0 0 00-0000-00 22 - 22 - 24 26 211 172-20 DO TOU MORK MITH MUBY
212 172-27 DO TOU MORK MITH MUBY
213 172-29 DO TOU MORK MITH MUBY
214 172-29 DO TOU MORK MITH MELLON-MENON
215 172-30 DO TOU MORK MITH MELLON-MELLON
215 172-30 DO TOU MORK MITH MELLON-MELLON
216 172-30 DO TOU MORK MITH MELLON-MELLON
217 172-30 DO TOU MORK MITH MEDATION IN GLASS
218 172-31 DO TOU MORK MITH MEDATION IN GLASS
219 172-31 DO TOU MORK MITH MEDATION IN GLASS
219 172-31 DO TOU MORK MITH MEDATION IN GLASS
219 172-31 DO TOU MORK MITH MEDATION MASS
210 172-31 DO TOU MORK MITH MEDATION MASS
210 172-31 DO TOU MORK MITH MELLON
211 173-02 DO TOU MORK MITH MELLON
212 173-03 DO TOU MORK MITH MELLON
213 173-03 DO TOU MORK MITH MELLON
214 173-05 DO TOU MERATE SYSTEMS THAT CONTAIN DYST OR MASS
225 173-05 DO TOU TROUBLESHOOT DYST OF MASS MANE DO 700 USE OR REFER TO ANGSTROMS (A)

00 700 USE OR REFER TO ELECTRON ENERGY LEVELS

00 700 USE OR REFER TO EXCUIDED STATE

00 700 USE OR REFER TO PACKET OF RADIATION

00 700 USE OR REFER TO PROTONS

00 700 USE OR REFER TO SPONTANEOUS ENISSION

00 700 USE OR REFER TO STINULATED ENISSION

00 700 USE OR REFER TO TOWERS ON LACKEL

00 700 USE OR REFER TO TOWERS ON LEVEL

00 700 USE OR REFER TO TOWERS ON LEVEL

00 700 WARK WITH ACTIVE MATERIALS

00 700 WARK WITH PUMPING SOURCES

00 700 WARK WITH FOLL SILVERED 1100M REFLECTIVE) OR REPLACE MAJOR ASSEMBLIES OF LASER OR REPLACE COMPONENT PARTS OF LASER T3-07 DO TOU REMOVE OR REPLACE DUST OR MAST TUBES FROM HADOR ASSEMBLIES OR UNITS
T3-08 DO TOU PERFORM TASKS THAT MAKE IT NECESSAFT TO N. THE WARTOUS ELEMENTS OF DUST YOU TROUBLESHOOT TO COMPONENT PARTS OF LASER MORK MITH MALE SILVERED 192% HEFLECTIVE! TOU TROUBLESHOOT MAJOR ASSEMBLIES OF LASER DY=TSK TASK GROUP SURMARY YOU REMOVE YOU REHOVE C19CUITS T3-07 DD TO SYSTEMS T1194 T2-09 DC SYSTEMS T1195 T2-10 DO 5YSTEMS 2-08 00 11192 12-07 00 111193 12-08 11198 11202 11203 11203 11204 11205 11206 11208 71216 71211 71212 71213 71214 11210 11220 11227 11686

| PET HBYS ANSWENG YES FOR 326KI DAFSC GRPS  |     | GP S  | GPSH2B P   | PAGE  | 0 1   |       | AIR   | AIR FORCE SYSTEMS COMMAND |
|--|-----|-------|------------|-------|-------|-------|-------|---------------------------|
| TASK GHOUP SUMMARY   |     |       |            |       |       |       |       |                           |
| PERCENT MEMBERS PERFURNING   |     |       |            |       |       |       |       |                           |
|  | SPC |       |            |       |       |       |       | SPC                       |
| DY-15k   | 030 | 031 0 | 035 0      | 033 0 | 034 0 | 035 0 | 036 0 | 37                        |
|  | ٣   | 0     | -          | 89    | 60    | 30    | •     | 1.3                       |
| THE VARIOUS ELEMENTS OF MMS  |     |       |            |       |       |       |       |                           |
| T3-10 DO TOU PERFORM TASKS ON  | ۰   | *     | 4          | 80    | *     | 38    | 01    | •                         |
| 2  | 1   | •     | •          | =     | 28    | 54    |       | 30                        |
| 13-15  | 7   | 0     | ~          | •     | •     | 31    | ~     | 0                         |
| TICAS TAKES DO YOU PERFORM TASKS ON ERASE GUNS   | * ^ | 0 0   | <u>.</u> . | ٠.    | 26    | 3.0   |       | 26                        |
| UI-DI IN YOUR PRESENT JOB. DO  | 30  | 27    | 15         | 24    |       |       | 2.0   | 35                        |
| TASKS  |     |       |            |       | ,     |       |       |                           |
| 01-02 DO 100 USE OR REFER TO   | •   | 6     | 17         |       |       |       |       | 13 PROGRAMMING            |
| 01-03 DO 100 USE OF REFER TO   | 30  | 27    |            |       | 22    |       |       | 22                        |
| U1-04 00 100 USE OR REFER TO   | 26  | 23    | 54         | 18    |       |       |       | •                         |
| 01-05 00 100 USE OR REFER TO   | •   | 80    | ^          | ٠     | 6     |       | æ     | •                         |
| 01-06 DO 100 USE OF REFER 10   | -   | *     |            |       |       |       | *     | •                         |
| 00 100 USE OF REFER TO   | 33  | 23    |            |       |       |       |       | 72                        |
| מו ברש מו ברש מו או או ברש אם  | - : | -     |            | •     |       |       |       | 17                        |
| מו בחו מו נחת מצו מא אונינא ומ   | 5.4 | 31    |            |       |       |       |       | 26                        |
| 1244 UT-11 DU TOU USE DA HEREN TO ADDRESS HORDS  | 24. | 31    | 22         | 26    | 21 20 |       |       | 30                        |
| 01 43434 00 350  | 10  | 6 7   |            |       |       |       |       | 17                        |
| U1-13 DO YOU USE OR REFER TO   | 88  | 27    | 58         |       | 1.8   |       | 12    | 2.0                       |
| DO TON PERFORM TASKS ON  | 01  | 1.2   | 10         |       |       |       |       | 17                        |
| TOU PERFORM TASKS ON   | •   | •     | •          | 80    | 0     | 23    | •     |                           |
| 11-16 00 YOU PERFORM TASKS ON  |     | 1.5   | 13         | 13    | 2     | 9     | ,     |                           |
| DO TOU PERFORM TASKS ON  | 1.2 | 1.2   | 12         |       | 2     | 0     | ~     | •                         |
| DO TOU PERFORM TASKS ON  | 0   | 1.2   | =          | 80    | 2     | 0     | ~     |                           |
| UI-19 DO TOU PERFORM TASKS OF  | *   | 6-    | 13         | 3     | 2     |       | ,     |                           |
| ON YOU PERFORM TASKS ON  | -   | •-    | 13         | 2     |       | 1.5   | ,     |                           |
| DO TOU PERFORM TASES OV  | •   | •-    | 13         | 13    |       |       | ,     |                           |
| ACTURE SE SECTIBETS TO EXPRESS AMPLIFICATION AND   | 84  | F     |            | 53    | 80 6  | •     | 8 ,   | 18                        |
| ATTENDETION TO THE TOTAL TO STATE OF THE STA | ,   | ,     |            |       |       | c     |       |                           |
| DECIBELS   |     |       | , .        | , .   |       |       |       | DB AND POWER              |
| The state of the s | •   | •     | ,          |       |       | -     | •     |                           |

## UNITED STATES AIR FORCE JOB INVENTORY

INVENTORY FOR INTEGRATED AVIONICS (326XO/X1/X2)

| 000  | A 31 A3-06 DO YOU USE OR REFER TO RESISTOR STABOLS, SUCH AS  |
|--|--|
|  | POR FIXED RESISTORS OF FOR TAPPED RESISTORS  |
| RESISTANCE   | A 32 A3-09 DO YOU IDENTIFY OR CLASSIFT THE RESISTORS TOO   |
| NA MO TOU USE IN THISTRUMENT, SUCH AS METER OR AN  | MORK WITH AS CARBON, FIXED WINE, SLIDE AT. ANEUS. A.   |
| SO ANIMAN OF PARKSONIAN OF THE | POTENTIOMETERS   |
| OF GO SKIEGO AS . OLD STATE OF GO SKIEGO AS A STATE OF | A 33 A3-10 BO YOU USE RESISTOR COLUR CODES ANICH INDICATE  |
| A CHARLE A SECTION OF A CONTRACT OF  |  |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   | A 34 A3-11 60 YOU USE RESISTOR COLUB COSES WHICH INDICATE  |
| THE  | THE TOLERANCE OF RESISTORS.  |
| MET THE INFORMATION  | 4 35 43-12 00 10U USE RESISTOR CULUR CODES ANICH INDICATE  |
| Y 0% The Joa.  | THE FAILURE RATE OF MENIORS. WHICH YOU HUST DETERMINE  |
| 1-03 0   | A SA ASETS OF COUNTRY PROPERTY AND THE TOTAL THE THE TOTAL THE THE TOTAL THE |
| 0 +0+1   | TO THE TOTAL THE |
| 1-05 00 700 SOLVE FOR AN U   | CHIEVE & STELLT VOLUME OF DEFEN TO THE SCHEMETIC SYMBOLS WHICH   |
| A1-36 DO YOU CONVERT NUMBERS TO LOGARITHES.  | STATEST OF THE FOLLOWING COMPONENTS: BATTERY.  |
| 1-07 00 70-1   | TOTAL OF THE PARTY |
| ATIONS.  | A 30 A321E NO YOU CALCULATE TOTAL RESISTANCE FOR SERIES  |
| SO YOU SOLVE GUADRATIC   | 0  |
| SO YOU USE THE SATURAL   | A 39 A3-16 DO YOU CALCULATE TOTAL CURRENT FOR SERIES   |
| DOPEN THE STREET WILLIAMS  |  |
|  | A ME A3-17 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR   |
| 20 30 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |  |
| SA SUBTRICT THE THE TRICK STRIP FUNCTIONS SUCH AS  | A 41 A3-18 DO TOU CALCULATE POWER 01551PATION FOR  |
|  | SERIES RESISTIVE CIRCUITS.   |
| AITE DO YOU DETERMINE APERS OF PLANE FIGURES, SUCH AS  | A 42 A3-19 DO YOU CALCULATE TOTAL RESISTANCE TON SETIES  |
| 10 E   | PARALLEL RESISTIVE CINCUITOR   |
| #15 350 FO 30 30 50 F  | A 43 A3-20 DO YOU CALCULATE TOTAL CUMBENT TO SENTES  |
| -14 00 100 SOLVE OR USE  |  |
| DO YOU USE THE TERM VOLTAGE OR VOLT.   | A A A DA - Z D D O TO CALCOLATE TO   |
| -02 00 100 USE THE TER   | SEXIES MARKINEL RESIDENCE CITICAL PREMOR CURRENTS FOR  |
| 13 00 100 SE THE TERM  | 1 45 A3+22 DO 100 CALCOLATE 1401 COST  |
| 42-04 DO TOU USE THE TERM TON  | SSINGS TOWN TO THE POWER DISSIPATION FOR SERIES  |
| #2-05 00 400 USE THE TERM DIN  | 0  |
| \$2-06 00 100 USE THE TERM AHPE  |  |
| 42-07 00 100 USE THE TERM MEU  |  |
| 12-08 DO TOU USE THE TERM COUL   | WESSELLE CITCUIST TOTAL CURRENT FOR PARALLEL   |
| 42-39 30 460 USE THE TERM PROTON.  |  |
| 43-01 DO YOU -ORK "ITH RESIS   |  |
| 3-02 00 VOU  | 2 - 4 - 4 - 4 - 6 - 6 - 6 - 6 - 6 - 6 - 6  |
| 43-03 DO 100   | THE TENT OF YOUR TAINENTS INDIVIDUAL ARENCH CURRENTS FOR   |
| 43-04 DO TOU ADJUST RESISTORS.   |  |
| A3-05 DO YOU CHECK OHHIC YALUE   | STATEMENT TO THE POWER DISSIPATION FOR PERALLEL  |
| 11-06 00 TO 35 00 35 00 00 60-11   | ;  |
|  | 200000000000000000000000000000000000000  |

| ALTERNATING  | 6 85 83-19 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR   |
|--|--|
| CURRENT, INDUCTORS, AND INDUCTIVE                      | B 86 83-20 DO TOU USE OR REFER TO THE GENERAL RULE THAT  |
| 200  | 8.7  |
| O YOU HE SURE VOLTAGE                                  | 0  |
| O TOU REPAIR A VOLTMET                                 | INDUCTION AND AND AND AND AND AND AND AND AND AN   |
| 400  | 89 83-23   |
| 00   | 0  |
| 7 DO YOU USE A MULTIPLEM.                              | 9 91 83-25 DO YOU MORK WITH PADIO FREGUENCY INDUCTORS.   |
|  | C CAPACITORS, CAPACITIVE MEACTANCE, TRANSFORMERS,  |
| TO YOU USE OF REFER THE TERM EFFECTIVE VOLTAGE         | AND MAGNETISM  |
|  | 00   |
| OR REFER THE   | CONTAINING CAPACITORS  |
| TOU USE OR REFER THE TERM                              | U  |
| YOU USE OR REFER                                       | C 94 C1-03 DO YOU CLEAN CAPACITORS.  |
| YOU USE ON REFER THE                                   | 10-13  |
| יסט חסב אור יאסורים                                    | 50-13  |
| DEC. CHOKEN DR CHOKE                                   | C 97 C1-06 DO YOU DISCHARGE CAPACITORS.  |
| TOU INSPECT INDUCTOR                                   | 10-10  |
| DO YOU CLEAN INDUCTORS.                                | 000  |
| TOU ADJUST   | Z  |
| DO YOU KENOVE ON REFERENCE INDUCTANCE.                 | CIDI CI-10 DO YOU USE OR REFER TO FARAOS, MICHOPARADS, UM  |
| YOU USE ON REFER TO                                    | PICOFAMADS.  |
| TOU USE OF REFER                                       | CI-12 DO YOU USE OR REFER TO   |
| 201  | CIO+ CI-13 DO TOU USE OR REFER TO MORKING VOLIME MALING OF   |
|  | CAPACITORS.  |
| B3-11 DO YOU USE OR REFER TO EDDY CURRENT LOSS IN      | CIOA CI-15 00 YOU USE OR REFER TO CAPACITOR COLOR CODES.   |
| 90   | CIO7 CI-16 THE CAPACITORS YOU HORK WITH IN DC CIRCUITS.  |
| RTIONAL  | THE STITUTE IN THE PART TOWN YOU HOW WITH AND IN CINCIPLE STITE                                    |
| OF THE COIL  | G104 C1=18 14 CATAC 1013   |
| 83-13 00 YOU USE OF REFER TO THE GENERAL BULE TO THE   | CITO CI-19 THE CAPACITORS YOU MORK WITH ARE DON'T REMEMBER   |
| CHOSS SECTIONAL AREA OF THE CORE.                      | WHICH CIRCUITS.  |
|  |  |
| THE INDUCTANCE OF A CUIL IS INTEREST.                  | CIIZ CI-21 DO YOU USE OR REFER TO THE GENERAL MULE INATIONAL                                       |
| BILLS DE VOU USE OR REFER TO THE GENERAL RULE THAT THE | CAPACITANCE OF A CAPACITOR IS DIRECTED TO THE DIELECTRIC CONSTANT.                                 |
| PEGNERALLITY OF THE COME MATERIAL.                     | CIIS CI-22 DO VOU USE OR REFER TO THE GENERAL MOLE TRA CLE TRA CAPACITOR IS INVERSELY PROPORTIONAL |
| 20. 37.4.30  | TO THE DIELECTRIC THICKNESS.   |
| B3-17 00 700 CALCULATE THE TOTAL INDUCTANCE FOR        | CAPACITORS IN SEGIES.  |
| (NOUCTORS IN SEMIES)                                   | COLE CIESA DO YOU CALCULATE THE TOTAL CATACOTA   |

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6 0 91 4

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92 0 92 0 92 0 92 0 92 0 92

C2-22 DO YOU MEASURE RESISTANCE OF TRANSFORMER WINDINGS TO DETERMINE MHETHER A TRANSFORMER MAS A STEP-UP OR STEP-DOWN TURNS RATIO.

C2-23 DO YOU MEASURE OUTPUT VOLTAGE OF TRANSFORMERS TO CE-23 DO YOU MEASURE OUTPUT VOLTAGE OF TRANSFORMERS TO CETERMINE METHER A TRANSFORMER MAS A STEP-UP OR STEP-CIST CZ-32 DO TOU DETERMINE OR REFER TO THE TYPE OF CORE IN TRANSFORMES TOU WORK WITH. THE GENERAL RULE THAT THE CISO CZ-33 DO TOU REFER TO OR USE THE GENERAL RULE THAT THE TURKS RATIO OF A TRANSFORMER IS EQUAL TO THE VOLTAGE CIAI C2-34 DO YOU USE OR REFER TO STEP-UP OR STEP-DOWN RATIOS FOR TRANSFORMERS.
CIAZ C2-35 DO YOU CALCULATE VOLTAGE RATTOS FOR TRANSFORMERS CIS3 C2-26 DO YOU REFER TO THE MULTIPLE TAP SCHEMATIC SYMBOL TO THE CENTER TAP SCHEMATIC SYMBOLS FOR TRANSFORMERS.
CISA C2-29 DG YOU REFER TO THE IRON CORE SCHEMATIC SYMBOLS SECONDARY AND PRIMARY VOLTAGES OF TRANSFORMERS USING C151 C2-24 DO YOU REFER TO THE BASIC THANSPORMER SCHEMATIC SYMBOLS FOR TRANSFORMERS. C152 C3-50 YOU REFER TO THE MULTIPLE SECONDARY-WINDINGS SCHEMATIC SYMBOLS FOR TRANSFORMERS. TO THE AIR CORE SCHEMATIC SYMBOLS C157 C2-30 DO YOU REFER TO THE COMBINATIONS OF THE ABOVE SCHEMATIC SYMBOLS FOR TRANSFORMERS.
C158 C2-31 DO YOU DETERMINE PHASE RELATIONSHIPS BETWEEN SCHEMATIC SYMBOLS. FOR TRANSFORMERS. C154 C2-27 DO YOU REFER CISS C2-28 DO YOU REFER FUR TRANSFORMERS

HORK WITH COMPRESSION (TRIMMER) CAPACITORS.

FORK WITH PAPER CAPACITORS (FIXED).

FORK WITH PAPER CAPACITORS (FIXED).

FORK WITH CRAMIC CAPACITORS (FIXED).

FORK WITH CRAMIC CAPACITORS (FIXED).

C1-32 C1-32 C1-33

C1-35

CIT OF THE SENERAL FOLE THAT CONTROL OF THE SENERAL FOLE THAT CONTROL OF THE SENERAL FOLE THAT CONTROL OF THE SENERAL FOLES THAT CONTROL OF THE SENERAL FOLE THAT CONTROL OF THE SENERAL FOLE THAT CONTROL OF THE SENERAL FOLES THAT CONTROL OF THE SENERAL FOR THAT THE SENERAL FOR THE SENERAL FOR THAT THE SENERAL FOR THE SENERAL FOR THAT THE SENERAL FOR THE SENERAL

FREGUENCY.

C1-29 DO YOU CALCULATE CAPACITIVE REACTANCE.

C1-30 DO YOU WORK WITH ROTOR-STATOR CAPACITORS

CAPACITORS IN PARALLEL.

CIT-25 DO YOU CALCULATE THE TOTAL CAPACITANCE OF
CAPACITORS IN SERIES PARLEL CIRCUITS.

CAPACITORS IN SERIES TO THE GENERAL RULE THAT
CLAPACITORS, IT ONLY
CORRENT DOES NOT FLOW THROUGH CAPACITORS, IT ONLY

TRANSFORMERS ON YOUR PRESENT JOB.

CIBS C2-08 DO YOU MAKE A DISTINCTION BETWEEN MUTUAL INDUCTION BETWEEN MUTUAL INDUCTION BETWEEN MUTUAL INDUCTION BETWEEN MUTUAL INDUCTANCE (M). C2-09 DO YOU USE THE SYMBOL FOR MUTUAL INDUCTANCE, W. C2-10 DO YOU HEFER TO OR USE THE COEFFICIENT OF COUPLING C128 C2-01 DO TOU HORE MITH TRANSFORMERS ON YOUR PRESENT JOB C129 C2-02 DO TOU INSPECT TRANSFORMERS.
C130 C2-03 DO TOU CLEAN TRANSFORMERS.
C131 C2-04 DO TOU ADJUST TRANSFORMERS.
C131 C2-05 DO TOU REMOVE ON REPLACE COMPLETE TRANSFORMERS.
C132 C2-05 DO TOU REMOVE ON REPLACE COMPLETE TRANSFORMERS.
C134 C2-07 DO TOU REMOVE ON REPLACE THANSFORMER FARTS. SUCH

CINC. C-30 DO TOU CALCOLATE CURRENT RATIOS FOR TRANSFORMENS
CIN3 C2-36 DO TOU CALCOLATE CURRENT RATIOS FOR TRANSFORMENS
CIN4 C2-37 DOES TOUS JOB INVOLVE ANY TASKS DEALING WITH 3
CIN5 C2-37 DOES TOUS JOB INVOLVE ANY TASKS DEALING WITH 3
CIN5 C2-39 DO TOU LEARN DO LUBRICATE 3 DASE TRANSFORMERS.
CIN5 C2-47 DO TOU ADJUST 3 PHISE TRANSFORMERS.
CIN5 C2-47 DO TOU ADJUST 3 PHISE TRANSFORMERS.
CIN5 C2-47 DO TOU TROUBLESHOOT 3 PHISE TRANSFORMERS.
CIN5 C2-47 DO TOU TROUBLESHOOT 3 PHISE TRANSFORMERS.
TRANSFORMERS.

C170 C2-43 DO TOU REMOVE OR REPLACE 3 PHASE TRANSFORMER PARTS, SUCH AS A MINDING.
C171 C3-71 OF TOU USE OR REFER TO PERMANENT MAGNETS.
C172 C3-02 DO TOU USE OR REFER TO TEMPORARY MAGNETS.
C173 C3-03 DO TOU USE OR REFER TO RETENTIVITY OF MAGNETIC CITA C3-04 DO YOU USE OR REFER TO RELUCTANCE OF MAGNETIC MATERIALS. CISCON CALL WORKING WITH TRANSFORMERS.

CISCON CALLOUATE TURKS FAITOS FOR TRANSFORMERS.

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CISCON CALCON MORK WITH AUTOTRANSFORMERS.

CISCON CON MORK WITH AUTOTRANSFORMERS. ST MEASURING RESISTANCE.
CIMB C2-21 DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS
BY MEASURING OUTPUT VOLTAGES. CING C2-19 DO YOU CHECK TRANSFORMERS FOR OPEN MINDINGS BY MEASURING RESISTANCE.
CINT CZ-20 DO YOU CHECK TRANSFORMERS FOR SHORTED MINDINGS TRANSFORMER.

CITS C3-05 DO YOU USE OR REFER TO PERMEABILITY OF MAGMETIC

MATERIALS.

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| 0201 01-17 00 YOU USE OR REFER TO HALF POWER POINTS WHEN WORKING WITH RCL CIRCUITS.                             | U202 DI-18 DO YOU USE OR REFER TO BRANDPASS REGION WHEN | D203 D1-19 D0 YOU USE OR REFER TO CIRCUIT O WHEN WORKING | 0204 01-20 DO YOU USE OR REFER TO TANK CIRCUITS WHEN WORKING WITH RCL CIRCUITS. | D205 D1-21 D0 YOU DETERMINE VALUES OF TRIGONOMETRIC FUNCTIONS | DIVIDED BY HYPOTENUSE.           | D206 D1-22 DO YOU DRAW VOLTAGE, CURRENT, OR IMPEDANCE      | D207 D1-23 D0 YOU CALCULATE TOTAL IMPEDANCE FOR CAPACITIVE | CIRCUITS.  | AND RESISTANCE IN CAPACITIVE CIRCUITS BETTER INFEDANCE | CIRCUITS. | D210 D1-20 YOU CALCULATE IMPEDANCE ANGLES FOR SERIES RCL | D211 D1-27 DO TOU CALCULATE APPARENT POWER (PA) FOR SERIES | PCL CIPCUITS.   |   | D213 D1-29 DO YOU CALCULATE PONER FACTORS IPFI FOR SERIES | 0214 01-30 no You Calculate Total CHRRENT FOR P.P. 11 F. BC: | CIRCUITS.  | D215 D1-31 30 YOU CALCULATE IMPEDANCE ANGLES FOR PARALLEL | PCL CIRCUITS. D216 01-32 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL | CIRCUITS USING THE ASSUMED VOLTAGE METHOD.                 | 0217 DI-33 DO YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL PCL | D1-34 D0 YOU               | 01-35 00 YOU   | DAZO DIESE DO YOU CHECK INDUCTORS USING DIRECTERS.                 | D222 D1=38 DD YOU USE OR REFER TO THE GENERAL RULE THAT | THETARD. PFEL. AND PARPT FOR RESONANT CIRCUITS.     | D223 D1-39 DO TOU CALCULATE RESONANT FREGUENCIES FOR RCL | D22* D1-40 D0 YOU USE OR REFER TO THE GENERAL RULE THAT |  | PESONANT FREQUENCY FOR SE  | D225 DI-41 DO YOU USE OF REFER TO THE GENERAL RULE THAT | PRINCIPLE TRANSPORTATION PROFILE AND TRANSPORTED AND TRANSPORTATION OF THE PRINCIPLE AND TRANSPORTATION OF THE PRINCIPLE AND THE PRINCIPLE | D226 DI-42 DO TOU USE OR REFER TO THE GENERAL RULE THAT | TALF BOMER POINTS ARE AT 70.7 PERCENT OF THE PEAK                                    |
|---|---|--|---|---|----------------------------------|--|--|--|--|-----------|--|--|---|---|---|--|--|---|--|--|--|----------------------------|--|--|---|---|--|---|--|----------------------------|---|--|---|--|
| C176 C3-06 DO YOU USE ON REFER TO RESIDUAL MAGNETISM. C177 C3-07 DO YOU USE OR REFER TO MAGNETIC LINES OF FORCE | U USE OF REFER TO                                       | MAGNETISM. C3-09 DO YOU USE OR REFER TO THE              | 446NETISM.  | C3-11 DO 700 USE OF REFER TO                                  | MAGNETIC POLES, LIKE POLES REPEL | CIRS C3-13 CO YOU USE THE LEFT HAND THUMB HULE TO FIND THE | DIRECTION OF MAGNETIC FIELDS ABOUT STRAIGHT                | CLEY CARIN DO YOU COM THE LEFT THUMB RULE TO FIND THE NORTH POLE OF A CURRENT CARRYING COIL. | ACL CIRCUITS, SERIES AND PARTIES                       |           | 0  | PRESENT JOB.   | 0156 DI=02 DO TOU USE OF REFER TO VECTORS MAEN MORKING MITH ACL CIRCUITS. | DIST DISCO TOU USE OR REFER TO PYTHAGOREAN THEOREM SHEN | MORAING WITH RCL CIRCUITS.                                | ACL CIRCUITS.  | SISS DI-US DO YOU USE OR REFER TO COSINE WHEN WORKING WITH PCL | CIRCUITS.   | ACL CIRCUITS.  | DIST DISTON TO TOU USE OF REFER TO MATTS WHEN WORKING MITH | THE CIRCUITY OF REFER TO TRUE POAFS INT.                     | TORKING BITH RCL CIRCUITS. | THE THE PROPERTY OF MEMBER TO PARTHUR FOREST CONTRACTOR OF THE PROPERTY OF THE | PATE INTER SECURITION ASSESSED TO THE SECURITION OF CO. C IC +6 C. | MORKING WITH MCL CINCUITS.                              | NEWENT OF THE ON MEMERA TO APPARENT POMEN (PA) WHEN | 100 USE  | MORKING WITH RCL CIRCUITS.                              | DIST DI-13 DO TOU USE OF REFER TO RESONANT CIRCUITS MAEN | BOHELME WITH MCL CINCUITS. |   | DISS DI-15 DO YOU USE OF REFER TO SELECTIVITY WHEN "DAKING   |   | BOND DITTO DO TOU USE ON MEMER TO RESOLANT PRESUENCY BAEN BONAINS MITH RCL CIRCUITS. |

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|  | DARE DIETZ DO YOU HORK WITH DON'T REMEMBER WHICH TYPE OF   |
| TH 15 INVERSELY PROPORTIONAL TO G.   | FILTER CONFIGURATIONS.   |
| MY DO YOU DETERMINE HOW CHANGES IN FREGUENCY.  | ESONANT CIRCUITS USED IN FILLER  |
| CONTRANCE, CAPACITANCE, ON INDUCTANCE WILL APPEC   | 0257 03-19 ARE SERIES-PARALLEL CIRCUITS USED IN FILTERS  |
| TOT IN YOUR PRESENT JON, DO YOU  |  |
| AALLEL "ESONANCE CINCULS ON  | YOU NORK WITH.   |
| 2-02 00 100 00s with, USE, OR REF  | DASS DA-21 ARE DON'T REMEMBER HITCH TYPE OF BASIC CINCUIT  |
| 4676   | D260 D3-22 DO YOU-USE EQUATIONS OF FORMULAS TO DETERMINE CAPACITANCE OR INDUCTANCE VALUES REQUIRED FOR SPECIFIC  |
| TERVALS.   |  |
| S FULLY CHARGED (OF DI   | ממשבר המשבר  |
| 02-06 DO YOU USE ON REFER TO UNIVERSAL TIME CONSTANT   | E26; E1-0; DO TOU WORK WITH COUPLING DEVICES ON YOUR PRESENT   |
| CHARTS.  | ON SCHEMATIC DIAGRAMS AND  |
|  | RELATE TO THE ACTUAL   |
| SPECIFIC TIME FOR RC OR LR CIRCUITS.   | ATTH AC COUPLING.  |
| SCHOOL OF THE FELCHTIONS OF FORMULAS TO DESCRIPTION  | 2  |
| U  | *  |
| C18CU175.  | E264 E1-04 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND MELATE  |
| -OF DO YOU USE EGUATIONS OF FORM   |  |
| 10ES TO RE   | E265 E1-05 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS  |
| CIFIC TIME.  | SHICH PERFORM THE RO COUPLING FUNCTIONS:   |
| DO TO TO TO THE SERVENT TO THE SERVENT YOUR CON  | WHICH PERFORM THE TAMEDANCE COUPLING FUNCTIONS.  |
| O AFTER FIVE (S) TIME CONSTAN  | £267 £1-07 DO YOU TROUBLESHOOT CIRCUITS MHICH HAVE COMPONENTS  |
| 00 YOU -ORK -17H CIRCU   | THE PERSONS THE TRANSPORMEN COUPLING FUNCTIONS.  |
| PRESENT JOB.   | E268 E1-08 DO 40U XORX XITH DIRECTLY COUNTED CIRCLIST  |
| 03-02 00 YOU INSPECT FILTER CIRCUITS.  | CIRCUITS.  |
| DATES OF TOO CLEAR FILIER CIRCUITS.  | E270 E1-10 DO TOU MORK WITH CAPACITIVE-INDUCTIVE COUPLED   |
| DO TOU TROUBLESHOOT TO THE FILTER CIRCUIT.   |  |
| DO YOU THOUSEESHOOT TO   | E271 E1-11 DO TOU MORK AITH TAANSFORKER COUPLED CIKCUITS.  |
| 50 40  | COUPLING CIRCUIT.  |
|  | E273 E2-01 ON YOUR PRESENT JOB DO YOU PERFORM SOLDERING<br>TECHNIQUES OR INSPECT OR EVALUATE SOLDERED CONNECTIONS.   |
| א אבורשרב רמאנחור אוים   | E274 E2-02 DO YOU SELECT TYPE OF SOLDER TO USE.  |
| 3-64 00 YOU NORE ON LOW PASS FILT  | £2-03 00 YOU   |
| 00 100 × 084   | £2-04 00   |
| DO YOU BORK ON BANDPASS FILT   | 000  |
| TOUR BOOK ON MANDERS OF THE STATE OF THE STA | FEZ-07 DO TOU BEND OF SHAPE HIRES OF LEADS.  |
| DO TOU MORE WITH L-SECTION F   | E280 E2-08 DO TOU CUT #18ES.   |
| PACIFICATION ACTUAL TOTAL  | TARREST TO THE TARRES |

1081NY PAGE 98

| INTERPRET CIRCUIT DIAGRAMS 6382 61-29 DO TOU USE OR REFER TO VALENCE BAND IN SEMICOMDUCTOR | 9  | SEMICONDUCTOR MATER                       | SEMICONDUCTOR MATERIALS<br>6385 GI-32 DO YOU USE OR REFER TO COVALENT BONDING IN | SEMICOMOUCTOR MATERIALS<br>6385 GI-33 DO YOU USE OR REFER TO ELECTRON-HOLE PAIR CREATED IN | 40   |   | SEMICONDUCTORS<br>G1-36 DO YOU USE OR REFER TO                            | SEMICONDUCTORS<br>61-37 DO YOU USE OR REFER TO PATYPE SEMICONDUCTOR | GI-38 DO YOU USE OR REFER           | SEMICONDUCTORS   | SEMICONDUCTORS<br>61-41 DO YOU USE OR                   | SEMICOMOUCTORS<br>6395 GI-42 DO YOU USE OR REFER TO DEPLETION REGION IN | SEMICONDUCTORS<br>6396 GI-43 DO YOU USE OR REFER TO RELATIONSHIP BETWEEN BAPRIER | A 10TH AND DIFFERENCE OF POTENTIAL 6397 GI-44 DO YOU USE OR REFER TO THE 10:1 BACK TO FRONT  |                           |  | 1NFORMAT  | CURRENT DIODE RATINGS<br>6401 61-46 CO TOU USE OF REFER TO PEAK RECURRENT FORWARD CURRENT | DIODE PATINGS<br>6402 GI-49 DO YOU USE OR REFER TO MAKINUM SURGE CURRENT DIODE   | PATINGS<br>GROS GI-50 DO YOU USE OR REFER TO PEAK REVERSE (INVERSE) VOLTAGE | CHODE PAINES GROUP GENO TO THE MENSISTORS IN YOUR PRESENT JOBS.  | 62-03  | 62-05 00 100      | 00 400              | SHID G2-07 DO YOU USE OF REFER TO EMITTER - COLLECTOR (EC.)                                 |
|--|--|---|--|--|--|---|---|---|-------------------------------------|--|---|---|--|--|---------------------------|--|---|---|--|---|--|--|-------------------|---------------------|---|
| O YOU USE ENERGY LEVEL DIAGRAMS IN YOUR WORK WITH  | 6359 GINGE DO TOU USE PY JUNCTION DIDGE CHARACTERISTIC CURVES. TOURITHER WALUES OF FORWARD AND MEYERSE BIAS MOLTAGE. | S RESISTANCE<br>VERSE BIAS RESISTANCE FOR | OTODES<br>OTODES<br>OF YOU USE OR BEFFE TO THE GENERAL RULE THAT                 | TEMPERATURE CAN AFFECT THE OPERATION OF DIOSES AS OPPOSED TO                               | ONIC COMPONENTS, SUCH AS RESISTORS, BASED ON | TOTAL ATTENNATION TO UN TO ETENTIVE THE GENERAL | CONTING ON COMMENT FLOW<br>CLOSE OF REFER TO MEASUREMENTS OF FORMARD BLAS | GET-12 AG YOU USE OF REFER TO UTODE COLOR COSING                    | SELECTION IN CREAT AROUND A VICEEUS | SECURITY DO TOU CAR OF FER TO SECURITY FOR THE TOUR TO THE TOUR TOUR THE TOUR TOUR THE TOUR T | AS 18 539 USE OR REFER TO VINCTIC ENERGY OF AV ELECTRON | ANTICE IN CREEK OF REFER TO POTENTIAL ENERGY OF AN                      | CLECTION MONING IN OPERT   | A MI SECURIOR OF WARMEN TO AND THE SECURIOR OF | PARTICULAR SHELL OR ORBIT | ** ** ** ** ** ** ** ** ** ** ** ** ** | ORBITALS ELECTRON ORBITALS TO TOU USE OF REFER TO VALENCE ELECTRONS (THOSE IN | THE CUTERASST SHEEL)  | ELECTRONS IN ATOMS ELECTRONS IN ATOMS ELECTRONS IN ATOMS  ELETRONS IN ATOMS  ELECTRONS IN ATOMS  ELECTRONS IN ATOMS  ELECTRONS | INDICATE THE CATHODE END  | CONSTRUCTION OF DIDDES SUCH AS GERMANIUM OR SILICON GITTEE OF YOU WEED TO KNOW THAT SEMICONDUCTORS HAVE WEGATIVE | INCHESATURE CUERTICIENTS OF RESISTANCE LAS TEATERATURE | COLTAGE - CURRENT | R OPERATING REGIONS | GIBSI GI-ZB DO YOU DETERMINE HIETHER PA JUNGTION DIODES ARE FORMARD BIASED WHEN YOU READ OR |

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| O HOW BIASIN   | 6439 63-12 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN   |
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| PRESIDE BARRIER MIDTH OF THE EMITTER - BASE CONCTION   | BASE CORRENT METOL REGIONAL AN INVOLUENCE BASE OF AN INVOLUENCE OF AN INVO |
| PHYSICAL BARRIER MIGHT OF THE COLLECTOR - BASE JUNCTION  | CALCULATIONS AECESSARY TO MEASURE THE SPECIFIC CHANGE IN   |
| TALNSTAN STRUCTURE (COLLECTOR, BASE AND ENITER)  | 6441 63-19 DO YOU USE THE LOAD-LINE METHOD OF ANALYSIS IN YOUR   |
| GAIN GZ-11 DO YOU USE OR REFER TO LEAKAGE CURRENT (1680) IN A  | CIRCUIT ANALYSIS (THIS METHOD REGULARES TOU TO PLOT A  |
| USE OR REFER TO TRANSISTOR SCHEMATIC SYMBOLS   | 6442 63-15 00 YOU USE OR REFER TO THE OPERATING POINT 9  |
| 62-13 DO YOU USE OR REFER TO TRANSISTOR NOTATION SUCH AS   |  |
| USE OR REFER TO TRANSISTOR SUBSTITUTION  | PARTICULAR TRANSISTOR  |
| INFORMATION 62-15 OF YOU USE OR REFER TO THE GENERAL RULE THAT THE   | 6444 63-17 DO YOU HEASURE VOLTAGE GAIN USED IN THE CONTON EMITTER CONFIGURATION  |
| TRAISISTOR BASE CURRENT 18 IS NORMALLY SIGNIFICANTLY   | G445 G3-18 DO YOU MEASURE CURRENT GAIN USED IN THE COMMON  |
| SMALLER THAN THE EMITTER CURRENT IE IUSUALLY 18 BEING 2 TO   | CHAILTER CONFIGURATION CHAIG GA-19 DG YOU MEASURE POMER GAIN USTO IN THE COMMON  |
| G2-16 DO YOU USE THE INFORMATION THAT THE EFFECT OF EMITTER  |  |
| BASE VOLTAGE ON BASE CURRENT IS THE CONTROLLING FACTOR FOR   | 6447 63-20 DO TOU CALCULATE INE FOLTAGE GAIN TON STECTTO IN THE CHANGE   |
| G2-17 DO YOU USE THE GENERAL RULF THAT LEAKAGE CHRENT  | IN BASE-EMITTER VOLTAGE INTO THE CHANGE THE BASE COLLECTOR   |
| (1080) IN A  |  |
| CH21 GZ-18 DO TOU USE OF HEFER TO TRAUSISTUR CHANACIENISTIC  | TARKSISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE   |
| TOU USE OF REFER TO BE   | CHANGE IN BASE CURRENT INTO THE CHANGE IN COLLECTOR  |
| 62-20 00 YOU USE OR REFER TO AL  |  |
| DO YOU USE OR REFER TO GA  | 6449 63=22 DO YOU CALCULATE THE POWER GAIN FOR A SPECIFIC  |
| GATAZ DO TOU CALCOLATE BETA TRANSISTON GAINS   |  |
| DO YOU CALCULATE GAMMA TR  |  |
| GA-01 DO TOU MORK WITH TRANSISTOR AMPLIFIERS IN TOUR   | GHSD GS-23 DG 100 NEED 10 KNOW 14A NOVE COLLECTOR CONTENT IS   |
| SA-C2 DO NOU INSPECT TRANSISTOR AMPLIFIERS   | INCREASES (THIS AFFECTS THE STATIC OPFRATING POINT EQ. OF  |
| TO TOU ALIGN OR ADJUST TRANSISTOR AMPLIFIERS   | THE TRANSISTOR!  |
| GUILDS DO TOU TROUBLESHOOT TO AMPLIFIEM COMPONENTS   |  |
| DO YOU REMOVE OR REPLACE   | 6452 63-25 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO   |
| O YOU WENOVE OR REPLACE  | THE ACTUAL CINCULATION OF STABILIZATION  |
| ECTOR CURRENT MAJON RESULTS FROM A CHANGE IN BASE  | AND  |
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| CHICA DO YOU USE ON REVEN TO COLLON EMITTEN THE  | 6115 STABILIZATION<br>6454 63-27 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO   |
| COLLECTOR CURRENT WHICH RESULTS FROM A SPECIFIC CHANGE IN  | THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED   |
| SASE CURRENT   | TIERNISHOR STABILLIZATION  |
| COLLECTOR VOLTAGE MATCH RESULTS FROM A CHANGE IN BASE  | THE ACTUAL CIRCUITS THE COMPONENTS ASSOCIATED WITH   |
| CURRENT OF SPEER TO COMMON PARTY AND THE STATE OF THE STA | FORWARD BIAS DIODE STABILIZATION GRS6 63-29 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO  |
| CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN   | TITE COLOURS STRUCTED COLOURS ASSOCIATION OF THE PROPERTY OF T |

| E TO M484 M2-02 DO YOU M485 M2-03 DO YOU  | MASS H2-04 DO YOU ALIGN OR ADJUST POWER SUPPLIES | S 1487 HZ-DS DO YOU TROUBLESHOOT TO POWER                    | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | THE WAS NOT THE DO YOU RENOVE OR REPLACE POWER SUPPLY COMPONENT | S H491 H2-D9 DO YOU MORK WITH HALF-MAVE RECTIFIERS           | H492 H2-10 00 Y              | S REIDGE NE  | 494 12-12 00 7 | H495 H2-13 DO Y              | H496 H2-14 DD YOU USE OR REFER TO | HAST HEMIS DO YOU USE OR REFER TO PEAK OUTPUT VOLTAGE | THE CONTRACT THE CONTRACT OF STREET OF STREET AND THE CONTRACT OF STREET OF | HS00 H2-18 DO YOU USE OR REFER TO                              | H501 H2-19 DO YOU USE OR REFER TO | HEDRINGS HOUSE ON HERER TO | 504 42-22 00 YOU 408K #174 CIRCUI                          | FILTERS  | 4000                                   | 1 405 H                              | THE HEO7 H2-25 NO YOU     | INPUT L-TYPE FILTERS                              | HSDB H2-26 DO YOU WORK WITH CIRCUITS WHICH EMPLOY LC PI-TYPE | 0.51   | FILTERS                             | 1510 H2-28 DG YOU                   | EAS REMEMBER SHICH TAPE OF FILTER OF REPLACING ONE TAPE OF | FILTER WITH A DIFFERENT TYPE FILTER | HS12 H3-01 D0 YOU   | HELS HELD DO TOU INSPECT OSCILLATORS   | H3-04 00 YOU | H3-05 DO TOU REMOVE OR REPLACE DSCILLATO | H3-06 DO TOU                                 | H3-07 DO TOU | HSIP H3-08 DO YOU USE OR REFER TO FEEDBACK | HEZO H3-09 DU YOU USE OR REFER TO | FET) HSZI H3-10 DG YOU USE OR REFER TO AMPLITUDE      | HS22 H3-11 DO YOU USE OR REFER TO                    | H523 H3-12 DO YOU USE OR REFER                 |
|---|--|--|--|---|--|------------------------------|--|----------------|------------------------------|-----------------------------------|---|---|--|-----------------------------------|----------------------------|--|--|--|--------------------------------------|---------------------------|---|--|--|-------------------------------------|-------------------------------------|--|-------------------------------------|---|--|--------------|--|--|--------------|--|-----------------------------------|---|--|--|
| GASZ 63-30 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE THE ACTUAL CIPCUITRY THE COMPONENTS ASSOCIATED WITH | DOUBLE   | GASS GS-SI DO TOU TROUBLESHOOT CIRCUITS ANICH HAVE COMPONENT | A STOCK OF STATE OF THE STATE O | AHICH PE  | 6460 63-33 DO YOU TROUBLESHOOT CIRCUITS MHICH MAYE COMPONENT | MHICH PERFORM THERMISTOR STA | GEORGEST GLASSE DO TOU TROUBLESTOOT CIRCUITS THICK HAVE COMPONENTS | 1 6            | **ICH PERFORM REVERSE BIAS D | TOW TROUBLESHOOT CIR              | STRICK DEPENDED DOUBLE                                | AMTERIORE   | 6465 G3-38 GO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE | CAUSES OF AMPLITUDE DISTORTION    | CINCUITS                   | SHAT S3740 DO YOU IDENTIFY PHASE DISTORTION FOR TRANSISTOR | CINCUITS CONTRACTOR OF TRACTOR AND ADDRESS OF TRACTOR ADDRE | יאר הופינות וואראואות ביולטוים וה דוים | PLESHOOT TRANSISTOR CIRCUITS TO FIND | OF GENERALTIVE FFFFFFF ON | CTACULT CAUSED BY CHANGING EMITTER RISISTANCE FOR | COMMOS   | MON MORE AND SOUTH AND MALE AND MAINTAINED TO SERVED TO THE STATE OF T | AMPLIFIERS IN ORDER TO TROUBLESHOOT | 63-45 DO TOU THOUBLESHOOT ON MEP 14 | TROUBLE STOOT ON REPAIR                                    | C18CU17S                            | 6475 63*48 50 TOU TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED | CATA GALACOTTO TO THOUSE SHOOT OF REPLIES AND THE CATACOTTO THE CATACOTT | AMPLIFIERS   |  | A SOLID STATE SPECIAL PURPOSE DEVICES, POMER |              | 0    | Dr. F. F.                         | HI-03 DO YOU USE ON REFER TO FIELD EFFECT TRANSISTORS | MINDY DO YOU USE ON REFER TO UNIJUNCTION TRANSISTORS | TARL HILDS DO TOU USE ON REFER TO ZENER DIODES |

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JOBINY PAGE 101

| TOU WORK WITH    | 12-06 no YOU WORK                  | 12-07 no You work with   | 12-08 DO YOU WORK WITH BASIC DIODE CLAMPING CIP | 12-09 00 100 WORK WITH DIDDE                     | 564 [2-10 DO TOU MORK WITH DON'T KNOW WHICH ITTE OF CLAMFING      | 1565 13-01 IN YOUR PRESENT JOB, DO YOU MORK ON EQUIPMENT WHICH<br>CONTAINS ELECTRON TUBES | 566 13-02 DO YOU CHECK ELECTRON TUBES TO SEE IF THEY ARE GOOD | 00 YOU USE                             | 13-05 DO YOU USE  | 13-06 00 400                              | 20 YOU USE  | 13-09 DO YOU USE OR REFER TO PEAK CURRENT RATING    | 13-10 00 YOU USE OR REFER | 13-12 DO 70U USE OR                                      | 13-13 50 100 | 578 13-14 DO YOU COMPUTE ACTUAL VALUES OF THE OC PLATE RESISTANCE FOR FLECTRON TURES   | 579 13-15 DO YOU USE OR REFER TO PLATE VOLTAGE          | 13-16 DO YOU USE | SHI 13-17 DO YOU USE OR REFER TO GRID VOLTAGE                   | 13-19 DO TOU USE OR REFER TO | 13-20 00 700                         | 585 13-21 DO YOU USE OR REFER TO THE TRIODE AMPLIFICATION FACTOR (THE AMPLIFICATION FACTOR FOR TRIODES IS DEFINED AS | O OF CHANGE IN PLATE VOLTAGE TO A CHANGE IN GRID | - 3  | AMPLIFICATION FACTORS                            | 1587 13-23 DO YOU USE OR REFER TO MULTICRID TETRODE, PENTODE, ETC.) AMPLIFICATION FACTORS | 1588 13-74 DO YOU USE OR REFER TO ELECTRON TUBE TRANSCONDUCTANCE IG. BAILON IN MEASURED IN MHOSS.  | 589 13-25 DO YOU CALCULATE ACTUAL VALUES OF ELECTRON TUBE |                   |                    | 1591 13-27 DO YOU CALCULATE ACTUAL VALUES OF AC PLATE | 1007 11-28 AD YOU USE ON BEFFR TO FIRSTRON TONE INTERFERENCES  |                |                                      | SOME WITH ELECTRON TUBES   |                                     |
|------------------|------------------------------------|--|---|--|---|---|---|--|---|---|---|---|---------------------------|--|--------------|--|---|------------------|---|------------------------------|--------------------------------------|--|--|--|--|---|--|---|-------------------|--------------------|---|--|----------------|--------------------------------------|--|-------------------------------------|
| CANTICAL DAMPING | SZIANIC GLASS CONT. TO CO CITED TO | LANCE TO THE PARTY OF THE PARTY | CIRCUITS AS FOD                                 | WORK WITH OSCILLATORS WHICH USE RC NETWORKS AS I | FDD A3=1 H3=20 DD YOU WORK WITH 05CILLATORS WHICH USE CRYSTALS AS | DO YOU FORK WITH OSCILLATORS WHICH USE DON'T REMEMBER                                     | MAICH TAPE OF FCO.  | יייייייייייייייייייייייייייייייייייייי | H3-23 DO YOU HORK MITH SHUNT HARTLEY SINUSOIDAL OSCILLATORS I | MORE WITH COLPITTS SINUSOIDAL OSCILLATORS | TANASA NO YOU WORK WITH BUTLER SINUSOIDAL OSCILLATORS | H3-27 DO YOU MORK WITH DON'T PEMEMBER WHICH TYPE OF |                           | I MULTIVIBALTORS, LIMITERS, CLAMPERS, AND ELECTRON TUBES |              | THE STATE OF YOU AND YOU AND AND THE STATE OF YOUR TREATH LOSS THE STATE OF THE STA | 11-03 DO YOU ALIGN ON ADJUST MAYE GENERATING ON SHAPING | CIRCUITS         | SEAZ II-OS TOU CALIBRATE RAVE GERERATING OR SHAPING CIRCUTS III | CIRCUITS                     | ESHOOT TO MAVE GENERATING OF SHAPING | CIRCUIT COMPONENTS  LEAS 11-07 DO YOU REMOVE OR REPLACE COMPLETE MAVE GENERATING OR                                  | SHAPING CIRCUITS                                 | 1546 11-09 DO YOU REMOVE OF REPLACE MAVE GENERATING OF SHAPING | U ROPE WITH HULTIVIBRATORS WHICH CONTAIN LC TANK | CIRCUITS  11-10 DO YOU YORK WITH HULTIVIBRATORS WHICH CONTAIN PC                          | METADORNAS MON AND METAL MON CONTRACT C | CAYSTALS  | MAICH TYPE OF EDS | SLF MULTIVIBRATORS | TI-14 DO TOU MORK WITH MONOSTABLE HULTIVIBRATORS      | TOPE TOTAL BUILDING B | MULTIVIORATORS | AK WITH LINITERS OR CLAMPERS IN TOUR | PARTORNA COMPANY OF THE PROPERTY OF THE PARTORNA COMPANY OF THE PARTORNA COMPA | TOO BOXX ALLE SERIES DIDOE CITED SE |

| SUBTRACTION METHOD  KANA X3-10 DO YOU ADD OCTAL NUMBERS TO GET A SUM   |  | LOGIC FUNCTIONS. BOOLEAN EQUATIONS. AND COUNTERS | LASS LING IN YOUR PRESENT JOB, DO JOU PERFORM ANY TASKS   | RELATING TO LOGIC FUNCTIONS LASE LI-02 DO YOU CONSTRUCT TRUTH TABLES FOR AND LOGIC SYMBOLS                           | OR GATES  OR GATES  LI-03 DO YOU CONSTRUCT TRUTH TABLES FOR OR LOGIC SYMBOLS   | OR GATES                       |                             | , ,                                  | SYMBOLS   | SYMBOLS OR GATES                 | K1-08 DO YOU USE OR | LOGIC SYMBOLS WITH STATE INDICATORS LYDS LI-OF DO YOU USE OR REFER TO TRUTH TABLES FOR EXCLUSIVE OR | LOGIC SYMBOLS LI-10 NO YOU USE OR REFER TO LOGIC SYMBOLS FOR AND GATES | LI-11 DO YOU USE OR REFER TO LOGIC SYMPOLS FOR OR GATES | 31907                             | L707 LI-13 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR EXCLUSIVE |   | PELATING TO BOOLEAN EGUATIONS, LOGIC DIAGRAMS, OF LOGIC | CIRCUITS                                    | L709 L2-02 DO YOU DRAW LOGIC SYMBOLS FOR DIRECT COUPLED | LATO LZ-03 DO YOU CONSTRUCT TRUTH TABLES FOR CURRENT MODE LOGIC | (CML) CIRCUITS   | L711 L2-04 DO YOU DRAW LOGIC DIAGRAMS FROM GIVEN BOCLEAN | TOTAL CARD NO YOU WEASURE INDUTS OF LOCK CATES   |                                    | PROCESS OF TROUBLESHOOTING DIGITAL CIRCUITS | ALGEBRA                                |         | COUNTED TRANSISTOR LOGIC (DCTL) CIRCUIT GATES LAIB L2-09 DO YOU USE OR REFER TO TRUTH TABLES FOR CURPENT MODE | LOGIC (CML) CIRCUITS                                   | 12-10        | THE TOTAL TOTAL COMPUTE SUX AND CARRESSIONS FOR SERIAL   | MALE OF FULL ADDER LOGIC DIAGRAMS     |
|--|--|--|---|--|--|--------------------------------|-----------------------------|--------------------------------------|---|----------------------------------|---------------------|---|--|---|-----------------------------------|---|---|---|---|---|---|--|--|--|------------------------------------|---|--|---------|---|--|--------------|--|---------------------------------------|
| 656 KI-19 DO YOU USE OR REFER TO SEMSITIVITY OF RECEIVERS 657 KI-20 DO YOU USE OR REFER TO SELECTIVITY OF RECEIVERS KA | KI-21 DO TOU USE OR REFER TO 2ND HARMONIC DISTORTION | KI-22 DO TOU USE OR REFER TO BA                  | KI-23 DO YOU USE OR REFER TO SQUARE LAW DISTORTION KI-24 DO YOU USE OR REFER TO CO-CHANNEL INTERFERENCE | AT #25 DO YOU USE OR REFER TO IMAGE FREQUENCIES IN RECEIVERS AT #26 DO YOU USE OR REFER TO SIGNAL TO IMAGE MATIOS OR | TAKEE REJECTION RATIOS  KI-27 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH AN | TRANSMITTER SCHEMETT OLIGERANS | RECEIVER SCHEMETIC DIAGRAMS | SENT JOB TRANSHIT OR RECEIVE SYSTEMS | X2-03 DO YOU CLEAN FM TRANSHIT OR RECEIVE SYSTEMS | YOU TROUBLE SHOOT TO SH TRANSMIT | SYSTEMS             | MOUSEES HOUSE TO FA TRANSALL OR RECEIVE   | 1472 X 2-07 DO YOU HEMOVE ON REPLACE FM THANSMIT OR RECEIVE LT         | TOU PEMOVE OR REPLACE FM TRANSMIT OR RECEIVE            | PERFORM TASKS ON AUDIO AMPLIFIERS | KZ-10 DO TOU PERFORM TASKS ON FREQUENCY MULTIPLIERS           | 1 DO YOU PERFORM TASKS ON DRIVERS (INTERMEDIATE | K2-12 DO YOU PERFORM TASKS ON                           | K2-13 DO YOU PERFORM TASKS ON RF AMPLIFIERS | AZ-14 DO YOU PERSONN TASKS ON FREGUENCY CONVERTERS      |   | K2-17 DO YOU PERFORM TASKS ON FREQUENCY DISCRIMINATORS | DO YOU TRACE SIGNALS OR CURPENT PATHS THROUGH            | TOUGHT STATE OF THE STATE STATE OF THE STATE | SCHEMATIC DIAGRAMS OF FM RECEIVERS | BASE 10) NUMBERS TO DOTAL                   | ERT DECIMAL NUMBERS TO BINARY (BASE 2) | VUMBERS | A SHE KANDE DO TOO CONVERT DOTAL ACABERS TO BECINAL ACABERS  LA   | KJ-05 DO TOU CONVERT SINARY NUMBERS TO DECIMAL NUMBERS | K3-06 00 100 | ASSTRUCT OF THE PROPERTY ACTIONS OF THE PASSES TO SELECT A SOUTH THE PASSES T | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

## HUMAN RESOURCES LABORATORY ATR FORCE SYSTEMS COMMAND A JOBINY PAGE

| LTIVIBRATORS  14 DO TOU MORK WITH BISTABLE (FLIP-FLOP) MULTIVIBRATORS  15 DO TOU MORK WITH BONDSTABLE (ONE-5407)  16 DO TOU WORK WITH BONDSTABLE (ONE-5407)  16 DO TOU USE OF REFER TO FLIP-FLOP MULTIVIBRATOR  18 DO TOU USE OF REFER TO FLIP-FLOP TRUTH TABLES  20 DO TOU USE OF REFER TO COMPLEMENTED FLIP-FLOP  21 DO TOU USE OF REFER TO COMPLEMENTED FLIP-FLOP  22 DO TOU USE OF REFER TO COMPLEMENTED FLIP-FLOP  23 DO TOU USE OF REFER TO COMPLEMENTED FLIP-FLOP  24 DO TOU USE OF REFER TO COMPLEMENTED FLIP-FLOP  25 DO TOU WESSURE OUTPUT MAVESHAFES OF LOGIC CIRCUITS  26 DO TOU MESSURE OUTPUT MAVESHAFES OF LOGIC CIRCUITS  27 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP  28 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  29 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  20 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  27 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  28 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  29 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  20 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  20 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  29 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  20 DO TOU MESSURE DATA FLOW THROUGH COMPLEMENTED FLIP-MILE  20 DO TOU THROUGH COMPLEMENTED FLIP-MILE  21 DO TOU THROUGH COMPLEMENTED FLIP-MILE  22 DO TOU THROUGH COMPLEMENTED FLIP-MILE  23 DO TOU THROUGH COMPLEMENTED FLIP-MILE  24 DO TOU THROUGH COMPLEMENTED FLIP-MILE  25 DO TOU THROUGH COMPLEMENTED FLIP-MILE  25 DO TOU THROUGH COMPLEMENTED FLIP-MILE  25 DO TOU THROUGH COMPLEMENTED FLIP-MILE  26 DO TOU THROUGH COMPLEMENTED FLIPMENTED FLIPMENTED F | PULSES FOR SERIAL UP-COUNTER 13-12 DO POU COMPUTE THE BINA 13-22 DO POU CONSTRUCT THE BINA 13-22 DO POU CONSTRUCT THE BINA 13-22 DO POU CONSTRUCT THUTH 13-23 DO POU DETERMINE THE ST 13-24 DO POU DETERMINE THE ST 13-24 DO POU DETERMINE THE AP 13-24 DO POU DETERMINE THE AP 13-24 DO POU MORK WITH FAME AN 13-01 DO POU MORK WITH FAME? 13-02 DO POU MORK WITH FAME? 13-04 DO POU MORK WITH PULSED 13-04 DO POU MORK WITH PULSED 13-04 DO POU WORK WITH PULSED 13-05 DO POU USE OR PEFER TO  |
|--|--|
| 1 L2-19 DO 700 MORK WITH BISTABLE (FLIP-FLOP) MULTIVIBRATORS 2 L2-15 DO 700 MORK WITH HONOSTABLE (ONE-5407) 3 L2-16 DO 700 WOR MITH HONOSTABLE (ONE-5407) 4 L2-16 DO 700 WOE OR REFER TO FLIP-FLOP MULTIVIBRATOR 5 MBOLS 5 L2-17 DO 700 WOE OR REFER TO FLIP-FLOP TRUTH TABLES 5 L2-19 DO 700 WOE OR REFER TO FLIP-FLOP TRUTH TABLES 6 L2-10 DO 700 WOE OR REFER TO COMPLEMENTED FLIP-FLOP 7 L2-20 DO 700 WOE OR REFER TO COMPLEMENTED FLIP-FLOP 7 MBOLS 7 MBOLS 7 L2-20 DO 700 WOE OR REFER TO COMPLEMENTED FLIP-FLOP 7 MBOLS | PEGISTERS  L3-27 DO TOU COMPUTE THE BINARY COUNT AFTER SPECIFIC  L3-22 DO YOU COMPITED TYPES OF COUNTERS  L3-23 DO YOU CONSTRUCT TRUTH TABLES FROM LOGIC DIAGRA  DECADE COUNTERS  L3-23 DO YOU DETERMINE THE STATE OF EACH FLIP-FLOP IN  COUNTERS ON OBTERMINE THE APPROPRIATE AND GATE NECES  L3-24 DO YOU DETERMINE THE APPROPRIATE AND GATE NECES  L3-24 DO YOU DETERMINE THE APPROPRIATE AND GATE NECES  L3-24 DO YOU DETERMINE THE APPROPRIATE AND GATE NECES  NOTING CIRCUITS USE OF SIGNAL GENERATORS,  MITH OF DO YOU WORK MITH TRAFFZOIDAL MAVE GENERATORS  MITH TABLE DO YOU WORK MITH TRAFFZOIDAL MAVE GENERATORS  MITH THE EEDBACK  MITH BLOCK MITH TRAFFZOIDAL MAVE GENERATORS  MITH THE EEDBACK  MITH BLOCK MITH TRAFFZOIDAL MAVE GENERATORS  MITH DO YOU WORK MITH PULSED DSCILLATORS MITH RECENE  MITH DO YOU WORK MITH PULSED DSCILLATORS MITHOUT  MITH DO YOU WORK MITH PULSED DSCILLATORS  MITH DO YOU WORK MITH PULSED DSCILLATORS  MITH DO YOU WORK MITH PULSED DSCILLATORS  MITH DO YOU WORK WITH PULSED DSCILLATORS   |
| 2 L2-15 DO 700 MORE, MITH HONOSTREE (ONE-5407)  HULLIVIBRATORS  1-16 DO 700 USE CH REFER TO FLIP-FLOP MULTIVIBRATOR  1-17 DO 700 USE CH REFER TO FLIP-FLOP MULTIVIBRATOR  1-17 DO 700 USE CH REFER TO FLIP-FLOP CIRCUIT DIAGRAMS  1-18 DO 700 USE CH REFER TO FLIP-FLOP TRUTH TABLES  1-18 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-15 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-21 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-22 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-22 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-23 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-24 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-25 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-25 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-25 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-26 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-27 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-28 DO 700 USE CH REFER TO CHPHENENTED FLIP-FLOP  1-2-29 DO 700 USE CH  | L3-21 DO TOU COMPUTE THE BINNARY COUNT AFTER SPECIFIC L3-22 DO TOU CONSTRUCT THE BINNARY COUNT AFTER SPECIFIC COUNTESS FOR LOGIC DIAGRA DECADE COUNTERS OF COUNTERS FROM LOGIC DIAGRA L3-24 DO TOU CONSTRUCT THE STATE OF EACH FLIP-FLOP IN COUNTERS FOUNDED THE STATE OF EACH FLIP-FLOP IN COUNTERS FOUNDED THE STATE OF EACH FLIP-FLOP IN COUNTERS FOUNDED THE STATE OF EACH FLIP-FLOP IN COUNTERS AND GENERATORS.  IN COUNT DETECT CIRCUITS TO INDICATE A REQUIRED COUNTING CIRCUITS, USE OF SIGNAL GENERATORS.  MITOS DO TOU WORK WITH TRAFFZOIDAL MAVE GENERATORS MITH PRESENCE MITH FLUSED OSCILLATORS MITHOUT PLUSED SCILLATORS MITHOUT PLUSED SCILLATORS MITHOUT PLUSED OSCILLATORS MITHOUT PLUSED PLUSED OSCILLATORS MITHOUT PLUSED PLUSED OSCILLATORS MITHOUT PLUSED OSCILLATORS MITHOUT PLUSED PLUSED OSCILLATORS MITHOUT PLUSED PLUSED OSCILLATORS MITHOUT PLUSED PLUSED OSCILLATORS MITHOUT PLUSED PLUS |
| HULLIVIBRADUSS  1.2-15 DO YOU USE OR REFER TO SINGLE-SHOT HULTIVIBRATOR  1.2-17 DO YOU USE OR REFER TO SINGLE-SHOT HULTIVIBRATOR  1.2-17 DO YOU USE OR REFER TO FLIP-FLOP CIRCUIT DIAGRANS  1.2-19 DO YOU USE OR REFER TO COMPLEMENTED FIRM TABLES  1.2-19 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP  1.2-21 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP  1.2-22 DO YOU WESSURE OUTDUT MAVESHAFES OF LOGIC CIRCUITS  1.2-23 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP  1.2-24 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-FLOP  1.2-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-24 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-24 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-24 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-24 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-25 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-24 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-25 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-26 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-27 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-28 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTING FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPLEMENTED FLIP-  1.2-29 DO YOU PLACE DATA FLOW THROUGH COMPL | PULSES FOR OTHER TYPES OF COUNTERS  13.2.2.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.  |
| 12-17   DO 700 USE OR REFER TO SINGLE-SHOT WULTIVIBRATOR   | DECADE COUNTERS  L3-29 DO TOU DETERMINE THE STATE OF EACH FLIP-FLOP IN  L3-29 DO TOU DETERMINE THE APPROPRIATE AND GATE NECES  L3-24 DO TOU DETERMINE THE APPROPRIATE AND GATE NECES  IN COUNT DETECT CIPCUITS TO INDICATE A REQUIRED COUNTORS, AND GENERATORS,  HIDD DO TOU WORK WITH SAWTOOTH WAVE GENERATORS  MICOS DO TOU WORK WITH FLAPEZOIDAL WAVE GENERATORS  MICOS DO TOU WORK WITH PULSED DSCILLATORS WITHOUT  REEDBACK  MICOS DO TOU WORK WITH PULSED DSCILLATORS WITHOUT  REEDBACK  MICOS DO TOU WORK WITH PULSED DSCILLATORS WITHOUT  REEDBACK  MICOS DO TOU WORK WITH PULSED DSCILLATORS  MICOS DO TOU WORK WITH BLOCKING DSCILLATORS  |
| 12-17 DO YOU USE OR REFER TO SINGLE-SHOT HULTIVIBRATOR L755 STABOLS STABOLS STABOLS STABOLS STABOLS L2-19 DO YOU USE OR REFER TO FLIP-FLOP CIRCUIT DIAGRAS L2-19 DO YOU USE OR REFER TO FLIP-FLOP TRUTH TABLES L2-20 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP STABOLS STA | L3-23 DO YOU DETERNINE THE STATE OF EACH FLIP-FLOP IN COUNTERS FOR SPECIFIC INPULSES.  L3-24 DO YOU DETERNINE THE DETECT AND GATE AND GATE NECES.  L3-20 OU DETECT CIPCUITS TO INDICATE A REQUIRED COUNTING CIRCUIT OF STATES.  MINDS CIRCUITS, USE OF SIGNAL GENERATORS.  MINDS DO YOU WORK WITH TRAFFYOIDL WAVE GENERATORS.  MINDS DO YOU WORK WITH TRAFFYOIDL WAVE GENERATORS.  MINDS DO YOU WORK WITH PULSED OSCILLATORS WITH RECENERATORS OF YOU WORK WITH PULSED OSCILLATORS WITHOUT MINDS DO YOU WORK WITH BULSED OSCILLATORS WITHOUT MINDS DO YOU WORK WITH BULSED OSCILLATORS WITHOUT MINDS DO YOU USE OR PEFER TO FALL OF STATES.  |
| LZ-18 DO YOU USE OR REFER TO FLIP-FLOP CIRCUIT DIAGRAYS LZ-19 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP LZ-20 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP LZ-21 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP SYMBOLS SYMBOLS SYMBOLS OF YOU WE SOME OUTDUT MAVESHAFES OF LOGIC CIRCUITS N LZ-22 DO YOU WE SOME OUTDUT MAVESHAFES OF LOGIC CIRCUITS N LZ-23 DO YOU WE SOME DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP N LZ-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP N LZ-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP- N LZ-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP- N LZ-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP- N LZ-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP- N LZ-25  | LINGOUNT DETECRINE THE APPROPRIATE AND GATE NECES IN GOUNT DETECRINE THE APPROPRIATE A REQUIRED COUNTING CUNT DETECT CIPCUITS TO INDICATE A REQUIRED COUNTING CIRCURS, AND GENERATORS SHILD DO YOU WORK WITH TRAPEZOIDAL WAVE GENERATORS WITHOUT DO YOU WORK WITH POLICED OSCILLATORS WITHOUT RECENE TO YOU WORK WITH POLICED OSCILLATORS WITHOUT RECENE TO TOU WORK WITH POLICED OSCILLATORS WITHOUT RECENE TO TOU WORK WITH BLOCKING OSCILLATORS WITHOUT WITHOUT POLICED OF THE POLICE OF THE THE TOO YOU USE ON PEFER TO FILL TO SHILL TORS   |
| L2-19 DO YOU USE OR REFER TO COMPLEMENTED FRUTH TABLES L2-20 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP L0-61C SYMBOLS SYMB | IN COUNT DETECT CIRCUITS TO INDICATE A REQUIRED COUNTING CIRCUITS, USE OF SIGNAL GENERATORS, MIDDI DO YOU WORK WITH SAMTOOTH WAVE GENERATORS MIDDI DO YOU WORK WITH TRAFFYOIDAL WAVE GENERATORS MIDDI DO YOU WORK WITH TRAFFYOIDAL WAVE GENERATORS MIDDI DO YOU WORK WITH PULSED OSCILLATORS WITH RECENE MIDDI DO YOU WORK WITH PULSED OSCILLATORS WITHOUT RECENERATIVE REEDBACK MIDDI DO YOU WORK WITH BLOKKING OSCILLATORS MIDDI DO YOU USE OR REFER TO FALL OF FLATORS  |
| L2-23 DO YOU USE OF REFER TO COMPLEMENTED FLIP-FLOP LOGIC STMBOLS L2-21 DO YOU USE OR REFER TO COMPLEMENTING FLIP-FLOP LOGIC STMBOLS STMBOLS L2-22 DO YOU FESSURE OUTPUT MAVESHAFES OF LOGIC (RCUITS L2-23 DO YOU TAKE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP M759 L2-23 DO YOU TAKE DATA FLOW THROUGH COMPLEMENTING FLIP-   | HING CIRCUITS, USE OF SIGNAL GENERATORS,  MITCH DO YOU WORK WITH SAMTOOTH WAVE GENERATORS  MITCH DO YOU WORK WITH TRAFFYOIDAL WAVE GENERATORS  MITCH DO YOU WORK WITH TRAFFYOIDAL WAVE GENERATORS  MITCH DO YOU WORK WITH PULSED OSCILLATORS WITHOUT  MITCH DO YOU WORK WITH PULSED OSCILLATORS WITHOUT  MITCH DO YOU WORK WITH BLOKING OSCILLATORS  MITCH DO YOU USE OR PEFER TO FILE TIME  MITCH DO YOU USE OR PEFER TO FALL OF FLERCK TIME  |
| LOGIC STMBOLS  L2-21 DG TOU DSE OR REFER TO COMPLEMENTING FLIP-FLOP LOGIC  STMBOLS   | IMPING CIRUITS, USE OF SIGNAL GENERATORS, MOTORS, AND GENERATORS MITCH DO YOU WORK WITH TRAFFZOIDAL WAVE GENERATORS MITCH DO YOU WORK WITH TRAFFZOIDAL WAVE GENERATORS MITCH DO YOU WORK WITH PULSED OSCILLATORS WITH RECENE MITCH DO YOU WORK WITH PULSED OSCILLATORS WITHOUT MITCH DO YOU WORK WITH BLOKKING OSCILLATORS MITCH DO YOU USE OR PEFER TO RISE TIME MITCH DO YOU USE OR PEFER TO FALL OF FINE MITCH DO YOU USE OR PEFER TO FALL OF FILEACK TIME  |
| SYMBOLS SYMBOLS LZ-22 DG YOU MESSURE OUTPUT MAVESHAFES OF LOGIC CIRCUITS H759 LZ-22 DG YOU FACE DATA FLOW THROUGH COMPLEHENTED FLIP-FLOP H759 SCHEMATIC DIAGRAMS LZ-24 DG YOU TACE DIA FLOW THROUGH COMPLEHENTING FLIP- H759   | MILOZ DO TOU WORK WITH SAMTOOTH WAVE GENERATORS MILOZ DO TOU WORK WITH TRAPEZOIDAL MAVE GENERATORS MILOZ DO TOU WORK WITH PULSED OSCILLATORS WITH RECENE MILOZ DO TOU WORK WITH PULSED OSCILLATORS WITHOUT RECENERATIVE REEDBACK MILOZ DO TOU WORK WITH BLOCKING OSCILLATORS MILOZ DO TOU USE OR REFER TO RICE THE MILOZ DO TOU USE OR REFER TO FALL OF ELBACK TIME  |
| L2-22 DO YOU PEASURE OUTPUT WAVESHAPES OF LUGIC CIRCUITS M757<br>L2-23 DO YOU TACE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP M758<br>SCHEMATIC DISCHAMS L2-24 DO YOU TACE DATA FLOW THROUGH COMPLEMENTING FLIP-   | MI-01 DO YOU WORK WITH SAMFOOTH WAVE GENERATORS MI-02 DO YOU WORK WITH TRAFFYOLDAL WAVE GENERATORS MI-03 DO YOU WORK WITH TRAFFYOLDAL WAVE GENERATORS MI-03 DO YOU WORK WITH PULSED DSCILLATORS WITH RECENE MI-04 DO YOU WORK WITH PULSED DSCILLATORS WITHOUT MI-05 DO YOU WORK WITH BLOKING OSCILLATORS MI-05 DO YOU USE OR REFER TO RISE TIME MI-05 DO YOU USE OR REFER TO FALL OF ELBACK TIME   |
| SCHEMATIC DIAGRAMS 12-29 DO TOUT PACE DITA FLOW THROUGH COMPLEMENTING FLIP-  | MILOS DO YOU WORK WITH PULSED OSCILLATORS WITH RECENE<br>MILOS DO YOU WORK WITH PULSED OSCILLATORS WITHOUT<br>MILOS DO YOU WORK WITH BLOCKING OSCILLATORS<br>MILOS DO YOU WORK WITH BLOCKING OSCILLATORS<br>MILOS DO YOU USE OR PEFER TO FILL THE  |
| 12-24 DO TOU TRACE DATA FLOW THROUGH COMPLEMENTING FLIPP   | MI-04 DO YOU MORK WITH PULSED REGENERATIVE FEEDBACK MI-05 DO YOU WORK WITH BLOCKIN MI-06 DO YOU USE OR REFER TO R MI-07 DO YOU USE OR REFER TO R   |
|  | ALTER DU TOU WORK WITH BLOCK IN HINDS DO YOU WORK WITH BLOCK IN HINDS DO YOU USE OR PEFER TO P   |
| SCHEME TO THE STATE OF THE TABLE TO THE TABL | MI-05 00 700 WORK WITH BLOCK IN 1-05 00 700 USE OR REFER TO 100 US |
| יישיות באומיות היישיות ושתונה ביישי חבר ביישיות באומיות ביישיות ביישיית ביישיות ביישיות ביישיות ביישים ביישית ביישית ביישית ביישית ביי | MI-06 DO TOU USE OR REFER TO   |
| [3-0] 00 YOU - 08. WITH DIGITA   | MI-07 DO YOU USE OR REFER TO   |
| L3-02 00 fou use of Refer to up-counters   | C. C   |
| LANDS DO YOU USE OF REFER TO COMM-COUNTERS   | MI-DE DO TOU USE OF REFER TO SWEEP TIME  |
| 0 0  | MI-09 DO TOU USE OR REFER  |
| 13-06 00 100 USc OR REFER TO   | Σ  |
| LINGT DO YOU USE OF REFER TO DECADE COUNTERS   | MAVEFORMS  |
| 13-08 00 YOU USE OF REFER TO   | X.   |
| 13-04 00 400 05 08 8EFER TO  | MANEGORMS   |
| LAKEL OF YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF   | SECONDARY SECONDARY  |
| UP-COUNTERS MAVING COMPLEMENTED FLIP .FLOPS  | M2-01 DO YOU USE SIGNAL GENERATORS IN YOUR PRESENT   |
| DO TOU THACE DATA FLOW THROUGH LOGIC DIAGRAMS OF   | 42-02 DO YOU   |
| IL UP- OF DOMM-COUNTERS HENING COMPLEMENTING FLIP-   |  |
| 20 × 00  | ANALOSTING ALTONING ON CALIDRATING WHILE USING SIGNAL  |
| DECADE COUNTERS  | GENERATORS   |
| 00 400   | M2-04 00 YOU   |
| AING COUNTERS  | WHILE USING SIGHAL GENERATORS  |
| Seat And The Court of the State | DO SOLVE   |
| 10 00 700 TR.OF 0.72 FLOW  | ×  |
| SELET REGISTERS  | #2-07 50 YOU USE   |
| -17 50 700 TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF   | AS SQUARE MAYE, TRIANGLE, PULSE, OR SPIKE  |
| TPE OF COUNTERS  | #2-08 DO YOU USE AF GENERATORS LESS THAN 1,000 MH  |
| -18 DO YOU COMPUTE THE SINAMY COUNT AFTER SPECIFIC INPUT   | #2-09 DO YOU USE AF GENERATORS GREATER THAN 1.000 MH   |
| PULSES FOR UP-COUNTERS HAVING COMPLETED  | 35-10 00 400 08E   |
| THE BALL BLOWNED DO  | GENERATORS   |

|  | Pactor Transaction of Contra   | THE CONTRACTOR OF THE CONTRACTOR                            |
|--|--|---|
| A  | 20.00  | NZ-01 DO YOU WORK WITH SATURABLE REACTORS OR                |
|  | M3-03 DO YOU CLEAN OR LUBRICATE MOTORS   | AMPLIFIERS IN YOUR PRESENT JOH                              |
| REAL DESCRIPTION OF THE PROPERTY OF THE PROP   | M 3-04 DO YOU OPERATE HOTORS   | 19 N2-02 DO YOU INSPECT MAGNETIC AMPLIFIERS OR SATURABLE    |
|  | *3-05 DO TOU REMOVE OR REPLACE COMPLETE HOTORS   | REACTORS  |
|  | #3-06 DO TOU REMOVE OR REPLACE HOTOR PARTS   | 20 NZ-03 DO YOU CLEAN MAGNETIC AMPLIFIERS OR SATURABLE      |
| CONFECTIONS OF MAINTENANCE NAME   COMPANIES OF MAINTENANCE NAME   CONFECTIONS OF MAINTENANCE NAME   CONFEC   | DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE  |   |
| March   Marc   | CONNECTIONS OF MOTORS  |   |
| No. 100   PERSORN ANY 15885 ON AFFILIONS   NO. 100   N   | #3-09 DO TOU TROUBLESHOOT DOWN TO COMPONENT PARTS OF MOTORS  |   |
|  | HI-DR DO YOU PERFORM ANY TASKS ON FIELD COILS  | Z   |
| ALTERNOON   ALTE   | SUPPLIES AND SERVICE AND SERVI |   |
|  | THE TO THE PROPERTY AND TANK TO THE PARTY OF |   |
|  | TOTAL  | SACOTABLE REALIONS  |
|  | SACH THEORY OF TAXABLE AND TRACE OF THE TAXABLE TO BE OF THE TAXABLE TO SACH THE TAXAB | SATURABLE BEACTOR COMPONENTS                                |
|  | MA-15 DO YOU PERFORM ANY TASKS ON POLE PIFFES  |   |
| ### ### ### ### ### ### ### ### ### ##   | H3-16 DO YOU DETERMINE OF MEASURE THE MAGNITUDE OF THE   |   |
| ######################################   | FORCE OF TOROUE CREATED BY A HOTOR   |   |
| **EC=**N'ICAL FORCE O** TOROUE CRATED BY A MOTUR  **B-1  | S #3-17 DO TOU DETERMINE OR MEASURE THE DIRECTION OF THE   |   |
| 13-13 DO YOU DETERTIVE OR MEASURE THE MAGNITUDE  194 918ECTION OF THE INDUCED VOLTAGE IN MOTORS  191-19 DO YOU MORK MITH INDUCTION MOTORS  191-20 DO YOU MORK MITH INDUCTION MOTORS  191-21 DO YOU MORK MITH SPLIT-PHISE MOTORS  191-21 DO YOU MORK MITH SPLIT-PHISE MOTORS  191-21 DO YOU MORK MITH SPLIT-PHISE MOTORS  191-22 DO YOU MORK MITH SPLIT-PHISE MOTORS  191-23 DO YOU MORK MITH SPLIT-PHISE MOTORS  191-24 DO YOU MORK MITH SPLIT-PHISE MOTORS  191-25 DO YOU MORK MITH SPLIT-PHISE MOTORS  191-25 DO YOU PERDECT GENERATORS  191-27 DO YOU PORK MITH METERS IN YOUR PRESENT JOB  191-27 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOW DOTOR MOTOR MO | EATED BY A MOTUR   |   |
| 09 0 RECTION OF THE INDUCED FOLTAGE IN FOLGES  193-19 00 TOU HORK WITH STREAMONDS STATE  193-20 TOU HORK WITH SPELIT-PHASE MOTORS  193-21 DO TOU HORK WITH SPELIT-PHASE MOTORS  193-22 DO TOU HORK WITH SPELIT-PHASE MOTORS  193-22 DO TOU HORE WITH SPELIT-PHASE MOTORS  193-23 DO TOU HORE WITH SPELIT-PHASE MOTORS  193-23 DO TOU HORE WITH SPELIT-PHASE MOTORS  193-25 DO TOU LOSPECT GENERATORS  193-27 DO TOU REPORT GENERATORS  193-27 DO TOU REPORT GENERATORS  193-27 DO TOU REPORT STATE AND WESTER THE FUNCTIONS OF MOSTER  193-27 DO TOU TROUBLESADOT DOWN TO COMPONENT PARTS OF NOSTER  193-27 DO TOU TROUBLESADOT DOWN TO COMPONENT PARTS OF NOSTER  193-27 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-29 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NOSTER  193-30 TOU CONCEPTUALIZE OR CON | M3-14 DO YOU DETERMINE OR MEAS   | WINDINGS OR LOAD RESISTORS OF SINGLE WINDING SATURABLE      |
| Major   Majo   | DE DIRECTION OF THE INDUCED VOLTAGE IN KOTORS  | REACTORS  |
| Hard   | H3-19 00 TOU MORK WITH SYNCHRONOUS HOTORS  |   |
| Harden   H   | M3-20 DO YOU WORK WITH INDUCTION MOTORS  | WAVEFORMS FOR MAGNETIC AMPLIFIERS                           |
| #3-22 DO TOU MORK WITH SOME COMBINATION OF THE AEOVE MOTORS  #3-24 DO TOU MORK WITH SOME COMBINATION OF THE AEOVE MOTORS  #3-24 DO TOU CLEAN OF UNERATORS  #3-25 DO TOU CLEAN OF UNERATORS  #3-25 DO TOU PROVE CE CAPELEE GENERATORS  #3-25 DO TOU PROVE CE CAPELEE GENERATORS  #3-25 DO TOU PROVE CE GENERATORS  #3-26 DO TOU PROVE CE GENERATORS  #3-27 DO TOU PROVE CE GENERATORS  #3-28 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NB31 M3-DB DO TOU M941 M3-DB DO TOU  | M3-21 DO YOU MORK WITH SPLIT-PHASE HOTORS  | 29 N2-12 DO YOU USE OR REFER TO COERCIVE FORCE IN SATURABLE |
| **************************************   | #3-22 DO TOU BORK WITH SOME COMBINATION OF THE AEOVE MOTORS  |   |
|  | HITTER DO TOO INCIDENT TO THE WAS A TOOLS OF   |   |
| #31-25 DO TOU MEMOVE OR REPLACE GENERATORS #31-25 DO TOU MEMOVE OR REPLACE GENERATORS #31-25 DO TOU MEMOVE OR REPLACE GENERATORS PARTS #31-27 DO TOU MEMOVE OR REPLACE GENERATOR PARTS #31-27 DO TOU MEMOVE OR REPLACE GENERATOR PARTS CONNECTIONS OF GENERATORS #31-27 DO TOU MEMOVE OR REPLACE GENERATOR PARTS OF MB33 N2-16 DO TOU TOU MB35 N3-01 DO TOU TOU MB35 N3-01 DO TOU NB34 N3-01 DO TOU NB35 N3-02 DO TOU NB35 N3-02 DO TOU NB35 N3-02 DO TOU NB35 N3-02 DO TOU NB35 N3-03 DO TOU NB | THE TO THE TO THE TOTAL OF THE TOTAL   | SATURABLE REACTORS  |
| # # # # # # # # # # # # # # # # # # #  | 3 43-25 DO YOU OPERATE GENERATORS  | 31 N2-14 DO YOU USE OF REFER TO FLUX DENSITY IN SATURABLE   |
| #3-24 00 VOU TROUGLES-NOT AS FAR AS CHECKING #1RE  GOAVECTIONS OF GENERATORS #3-24 00 VOU TROUGLES-NOT AS CHECKING #1RE  GOAVECTIONS OF GENERATORS #3-25 00 VOU TROUGLES-NOT DOWN TO COMPONENT PARTS OF  #3-27 00 VOU TROUGLES-NOT DOWN TO COMPONENT PARTS OF  #3-27 00 VOU TROUGLES-NOT DOWN TO CHECKING #1RE  #3-27 00 VOU TROUGLES-NOT DOWN TO CHECKING #1RE  #3-07 00 VOU TROUGLES-NOT TROUGH TROUGH TO CHECKING #1RE  #3-08 M3-09 VOU TROUGLES-NOT TROUGH TO CHECKING #1RE  #3-09 VOU TROUGLES-NOT TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TROUGH TROUGH TO CHECKING THE FUNCTIONS OF  #3-09 VOU TROUGH TROUGH TROUGH TROUGH TO CHECKING THE FUNCTIONS OF WAR AS A SHORD OF THE PROOF THE TROUGH TROUGH TROUGH TROUGH TROUGH TROUGH TO CHECKING THE TROUGH TROUG | THE TAR DO TOU REMOVE OR REPLACE COMPLETE GENERATORS   | REACTORS  |
| ### ##################################   | STATE OF THE OF PERIODE OF PERIOD PARTS  | 32 NZ-15 DO YOU USE OR REFER TO POINT OF SATURATION IN      |
| # # # # # # # # # # # # # # # # # # #  | S MARKET OF THE TROUBLESTOOT AS FAR AS CHECKING WINE   | SATURABLE REACTORS  |
|  | CONVECTIONS OF GENERATORS  | NZ-16 50 TOU USE OR REFER TO                                |
|  | THE DO TOO INDUBLESTADOL DOWN TO COMPONENT PARTS OF  | STABOLS   |
|  |  | 00 00 00  |
| MASS NATIONALY   MASS   | C7045,   | N3-02 GG YOU USE OR REFER                                   |
| NB37 N3-09 DO YOU USE OR REFER TO PULSE RECURRENCE THE PULCIONS OF NB38 N3-05 DO YOU USE OR REFER TO PULSE RECURRENCE FREE PROTOCOUNTER TO PULSE RECURRENCE FREE PROTOCOUNTER TO PULSE RECURRENCE FREE PROTOCOUNTER TO PULSE OR CONSIDER THE FUNCTIONS OF NB39 N3-05 DO YOU USE OR REFER TO DIFFERNTIATING CIRCUITS NB40 N3-03 DO YOU USE OR REFER TO DIFFERNTIATING CIRCUITS NB40 N3-03 DO YOU USE OR REFER TO INTEGRATING CIRCUITS NB40 N3-03 DO YOU USE OR REFER TO THE CLASSIFICATION OF NB40 N3-03 DO YOU USE OR REFER TO THE CLASSIFICATION OF NB40 NB40 NB40 NB40 NB40 NB40 NB40 NB40   | SHAPING CIRCUITS   | N3-03 DO YOU USE OR REFER                                   |
|  |  | N3-04 DO YOU USE OR REFER TO PULSE RECURRENCE               |
| PERMETER TO DIFFERENTIATING CIRCUITS PERMETER TO DIFFERENTIATING CIRCUITS PERMETER TO DIFFERENTIALIZE OF CONSIDER THE FUNCTIONS OF N839 N3-06 DO YOU USE OR REFER TO THE CLASSIFICATION OF MAND N3-07 DO YOU USE OR REFER TO THE CLASSIFICATION OF MAND N3-08 DO YOU USE OR REFER TO THE CLASSIFICATION OF N841 N3-08 DO YOU USE OR REFER TO THE CLASSIFICATION OF N842 N3-08 DO YOU USE OR REFER TO THE CLASSIFICATION OF N843 N3-08 DO YOU USE OR REFER TO THE CLASSIFICATION OF N844 N3-08 DO YOU USE OR REFER TO THE CLASSIFICATION N845 N3-08 DO YOU USE OR WETER AND THE THE NATION OF NATIONAL OF THE THE NATIONAL OF THE NATIONAL OF THE THE N | S WITCH DO TOO WORK WITH METENS IN TOOM PRESENT JOB  | M3-05 DO YOU USE OR REFER TO PULSE RECURRENCE               |
| PERANNETS  NASO NASON CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NASON NASON DO TOU USE OR REFER TO INTEGRATING CIRCL NASON NASON DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF NASON DO TOU USE OR REFER TO THE CLASSIFICATION OF SEPRENCE OF REDUCTION OR SHORT OF THE CLASSIFICATION OF SERVICE OF RECERT TO THE CLASSIFICATION OF SHORT OF SERVICE OF RECERT AND OUTSIDER THE THE RECERT AND OUTSIDER THE  | 9 WI-CZ DO TOU CONCEPTUALIZE OF CONSIDER THE FUNCTIONS OF  | (986)   |
| New Court of the Control of Contr | PERMANENT MAGNETS  | M3-06 DO YOU USE OR REFER TO                                |
| MONTH COLLS  MONTH COLLS  MONTH COLLS  MONTH COLLS  MONTH COLLS  MONTH CONSTRUCTOR CONSIDER THE FUNCTIONS OF CONSTRUCT  MONTH | NI-03 DO TOU CONCEPTUALIZE OF CONSIDER THE FUNCTIONS OF  | ₩3-07 00 70U USE  |
| NEST SO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF CONSTANTS (TC) AS LONG. MEDIUM, OR SHORT  NEST SO TOU CONCERTUALIZE DA CONTROL OF SHORT AND CONTROL OF STREAM SHORT | אסאואל לסורצ   | M3-08 30 YOU USE OR REFER TO THE CLASSIFICATION OF          |
| SPIANE SPRINGS  **I=05 DO YOU DEFERINE WHETERS CALES  **I=05 DO YOU EXTEND THE ANGE OF ANNETERS  **I=06 DO YOU EXTEND THE ANGE OF ANNETERS  **NO OUTPUT CONFIGURATION  **NO OUTPUT CONF | AI - DA TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF   |   |
| NIMES DO TOU PEAD METER SCALES  NIMES DO TOU PRINCIPAL CONTIGURATING OR ANNETERS  NIMES DO TOU BOTO DO TOU HITM SQUARE MAY GENERATOR  NAME AND TOUR MAY WITH SQUARE MAY GENERATOR  NAME AND TOUR TOUR TOUR TOUR TOUR TOUR TOUR TOUR  |  | N3-09 DO YOU DETERNINE MAETHER AN LR OR RC CIRCUI           |
| NITOS DO YOU EXTEND THE SANGE OF AMETERS NITOS DO TOO TOO ZERO DIMHETERS LIBER OF YOUN STAN SHAME AMETERS  | VI-US DO TOU READ METER SCALES   |   |
| ALECT DO TOU ZERO DIRECTERS  | MI-OB DO YOU EXTEND THE PANGE OF AMMETER   | AND OUTPUT CONFIGURATION                                    |
| SOUTH AGOT TO CA CATALL SEED   | NI-07 DO 700 25RO OHMMETERS  |   |
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| COMPONENTS  SYSTEMS   | ON PULSE MODULATION SYSTEMS OF PULSE MODULATION SYSTEMS OF STATEMS |
| SYSTEMS 01-06-00 TOU REMOVE OR REPLACE SSB TRANSHIT OR RECEIVE CRRO- COMPONENTS 01-00 YOU PERFORM TASKS ON SSB AUDIO AMPLIFIERS 01-10 GG YOU PERFORM TASKS ON SSB BALANCED MODULATORS 01-11 DG YOU PERFORM TASKS ON SSB CARIER OSCILLATORS 01-11 DG YOU PERFORM TASKS ON SSB CARIER OSCILLATORS  | ON PULSE MODULATION SYSTE  |
| COMPONENTS  COMPONENTS  01-09 DO TOU PERFORM TASKS ON SSB BALLNCED FOOULATORS  01-10 DO TOU PERFORM TASKS ON SSB CAPTIER DSCILLATORS  01-11 DO TOU PERFORM TASKS ON SSB CAPTIER DSCILLATORS  |  |
| 01-07 DO TOU PERFORM TASKS ON S58 BALLACED TOOULATORS<br>01-17 DO YOU PERFORM TASKS ON S58 CARTER DOCULATORS<br>01-11 DO YOU PERFORM TASKS ON S58 CARTER DOCULLATORS   | NO   |
| 01-11 DO YOU PERFORM TASKS ON SSB CARRIER DSCILLATORS  | PULSE FORMING NETWORKS   |
|  | ,  |
| 01-12 00 YOU PERFORM TASKS ON SSA LC FILLERS   | 2-19 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM   |
| THE DO YOU PERFORM TASKS ON SSH MECHANICAL FILTERS   | SHITCHES SUCH AS GAS THYHATRONS  |
| 01-15 DO YOU PERFORM TASKS ON 558 GSCILLATORS  | 300  |
| THE DO YOU PERFORM TACKS ON SSS MIXERS   | 02-21 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM  |
| 1-16 DO TOU PERFORM TASKS ON SSB PONTR AMPLIFIERS  | TRANSMITTER TUBES 02-22 DO TOU PERFORM TASKS ON PULSE MODULATION SYSTEM RF   |
| 1-19 DO TOU PERFORM TASKS ON SSB PREGUENCY CONVERTERS  | AMPLIFIERS OF TASKS ON PULSE MODULATION SYSTEM   |
| 1-21 DO YOU PERFORM TASKS ON SSB IF AMPLIFIENS   |  |
| 1-23 DO TOU PERFORM TASKS ON SSB DON'T REMEMBER WHICH SSB OBPB   | and a second as a  |
| SYSTEM STAGES  1-24 DO YOU USE ON REFER TO SELECTIVE FADING  | OZ-25 DO TOU PERFORM TASKS ON PULSE MODULATION SYSTEM  |
| TOU USE ON REFER TO PEAK POWER   | DETECTORS<br>02-26 50 YOU PERFORM TASKS ON PULSE HODULATION STSTEM   |
| YOU USE OR REFER TO RESPONSE CURVES FOR  | VIDEO AMPLIFIERS   |
| BANDAIDTH FILTERS  | POWER VIDEO AMPLIFIERS   |
| 2060   | 2-28 DO YOU PERFORM TASKS ON PULSE MUDGLATION STATES   |
| ACE SIGNALS OR CURRENT PATHS THROUGH SSB   | DON'T REMEMBER WHICH TOLISE RECURRENCE FREQUENCY   |
| TRENSKITTER SCHEMATIC DIAGRAMS   | TOTAL STATE  |
| ATIC DIAGRAMS  | PLANT NOT WIND THE   |
| RE ON PULSE HODULATION SYSTEMS IN YOUR OFFICE  | DO YOU USE OR REFER TO PULSE   |
| PRESENT JOB  | 02-33 DO YOU USE OR REFER TO PEAK POWER  |
| DADE STANDAR STOR SYSTEMS  | 02-34 DO TOU USE OR REFER TO AVERAGE POWER   |
| OZ-04 OG TOU ALIGN PULSE MODULATION SYSTEMS  | RECORRENCE LINE LINE   |
| 02-05 DO TOU TROUBLESHOOT TO PULSE MODULATION STSTEMS  | SCORRENCE FREGUENCE PULSE RECURRENCE TIME (PRT) OR PULSE   |
| DUBLESHOOT TO PULSE MODULATION STSTEM  |  |

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| JOB INVENTORY (DUTY/TASK TITLES)                                 | JOBINY PAGE 107 AIR FORCE SYSTEMS COMMAND  |
|--|--|
|  | 0943 03-30 DO YOU HEASURE OR DETERMINE THE POLARITY OF ANTENNAS                                |
| PEAK POWER OF PULSE HODULATI                                     |  |
| DAIZ OZ-18 DO YOU TRACE SIGNALS OF CURRENT PATHS THROUGH PULSE   | 0944 03431 DO YOU CONSTRUCT, OR MAKE THE CALCULATIONS  |
| 0413 02-39 00 VOU TRICE SIGNALS OR CURRENT PATHS THROUGH PULSE   |  |
| COLT OF THE TOTAL WITH ANTENNAS IN YOUR PRESENT LON              | DOSES DEED DO THE ANTENNA ARRATS TOU MORK MITH CONTAIN MARASTITE                               |
| 03-02 DO YOU INSPECT ANTENNAS                                    | 0946 03-33 DO THE ANTENNA APPATS YOU WORK WITH CONTAIN PAPASITIC                               |
| 0416 03-03 DO YOU CLEAN ANTENNAS                                 | ELEMENTS SERVING AS DIRECTORS DO47 03-34 DO THE ANTENNA ARRAYS YOU BORK MITH CONTAIN PARASITIC |
| 03-05 00 YOU ELECTRICALLY ALI                                    |  |
| 03-04 DO YOU TROUBLESHOOT TO                                     | 0948 03-35 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN DON'T                                   |
|  |  |
| 03-09 DO YOU MEMOVE OR REPLAC                                    | 03-37 DO YOU #ORK ON   |
| USE OR   |  |
| 00   | 0852 03-39 DO TOU BORK MITH ROTAR ANTENNA ARRAYS   |
| REPRESENTATIONS OF H OR MAG                                      | P TRANSMISSION LINES, MAYEGUIDES AND CAVITY  |
| 14 RELATION TO THE ELECTRIC LINES OF FORCE FOR ANTENNAS          | AESONATORS, AND AIGHORANE APPLIFIENS AND USCILLATORS   |
| 0926 03-13 DO YOU USE OF REFER TO THE GENERAL RULE THAT          | POSS PI-OI IN YOUR PRESENT JOB DO YOU WORK WITH TRANSHISSION                                   |
|  | LINES (TRANSMISSION LINES ARE DEFINED TO INCLUDE LEADS   |
| INCULIATE LOADS TO THE GENERAL RULE THAT ANTENNAS                | AN HIGH VOITAGE POWER (TARS) FELFERING (TARS) AS WELL  |
| WHICH ARE LONGER THAN A HALF                                     | WAVEGUIDES AS TRANSKISSION LINES   |
| TO THE GENERATOR   | POSH PI-02 DO YOU REFER TO OR USE COPPER LOSS OR 12R LOSS IN                                   |
| 1928 03-15 DO YOU USE ON METER TO THE GENERAL RULE THAT ANTENNAS | PASS PI-03 DO YOU REFER TO OR USE SKIN FFFECTS OF HIGH FREQUENCY                               |
| TO THE GENERATOR   |  |
| C3-10 DO YOU "ORK WITH HERTZ                                     | POS6 PI-04 DO YOU PEFER TO OR USE RADIATION LOSS IN TRANSMISSION                               |
| DOUGH DE DO YOU MORK WITH MARCONI ANTENNAS                       | NI SOCI PIECES TO BEEFE OF BEEFE OF SOCIAL TOWN OF SOCIAL FOOD                                 |
| 03-19 00 TOU PORK #1TH   | TRANSHISSION LINES   |
| 03-20 DO YOU "ORK "ITH CARDIO                                    | POSE PI-06 DO YOU USE OR REFER TO LEAKAGE LOSSES IN TRANSHISSION                               |
| 1935 03-22 DO YOU USE OF REFER TO THE TERM FLECTROMAGNETIC       | Pose Pi-07 DO YOU WORK WITH TWISTED PAIR TRANSMISSION LINES                                    |
| INDUCTION FIELDS WHEN MORKING WITH ANTENNAS                      | POSO PI-08 DO YOU HORK WITH THIN LEAD TRANSHISSION LINES                                       |
| 0935 03-23 DO TOU HEASURE ELECTROMAGNETIC INDUCTION FIELDS OF    | POOL WILDS DO YOU SOME MINT DEPTH TROUBLES THE NEW TRENSHINGS LINES                            |
| DOST 03-24 DO YOU USE OF REFER TO THE TERM ELECTROMAGNETIC       |  |
| PADIATION FIELDS WHEN WORKIN                                     | POBS PI-11 DO TOU MORK WITH RIGID COATIAL CABLE TRANSMISSION                                   |
| 0938 03-25 DO FOU WEASURE PLECTROMAGNETIC RADIATION              | POAR PIETO DO YOU TROUBLESHOOT TRANSMISSION LINES  |
| REFER TO   |  |
| AND MAGNETIC (H) COMPONENTS                                      | TRANSMISSION LINES TO DETERMINE THE OF TERMINATION   |
| AND MAGNETIC (M) COMPONENTS IN ANTENNA INDUCTION FIELD           | POSA PININ DO YOU SELECT APPROPRIATE THANSMISSION LINES  |
| DOTE DESTRUCT THE ANT OF THE ANTENNAS YOU WORK ON LINEARLY       |  |
| 0942 03-29 ARE ANY OF THE ANTENNAS YOU WORK ON CIRCULARLY        | TERMS OF CIRCUIT TERMINATIONS  |
| POLAR12ED  | P968 PI-16 DO YOU MEASURE STANDING NAVE PATIOS (SR) OF   |

| PODS P2-19 DO YOU USE OR REFER TO "AN MALL OF MAVEGUIDES PODS P2-20 NO YOU USE OR PREED TO MEN MAIL OF MAVEGUIDES | POST OF YOU WERE OF SELECT OF THE PARTY OF T | 000   | MAVE GUIDES  | 9000   | POOR PRANCE OF DESTREE TO STATE OF THE STATE | CONDITIONS   | PODS P2-25 DO YOU USE OR REFER TO MAGNETIC FIELD BOUNDARY | 1   | CONDITIONS     | POTO P2-27 DO YOU USE OF REFER TO THE GENERAL PULE THAT HOST | MAVEGUIDES ARE MADE WITH A "8" | OF THE OPERATING FREGUENCY | POLI PZ-Z8 DO 700 USE OR REFER TO THE GENERAL RULE THAT MOST | USED AS AN AVERAGE   | POLZ PZ-29 ARE YOU CONCERNED WITH THE MATERIAL (SUCH AS BRASS) | MHICH MAVEGUIDES ARE MADE OF | POIS P2-30 DO YOU COMPUTE THE LENGTH OF A MAVEGUIDE FOR SPECIFIC | INSTALLATION             | POIN P2-31 DO YOU USE THE RIGHT HAND RULE TO DETERMINE THE     | CINCIPLE AND | Pols P2-32 30 you use on Refer to The Time Phase of Peak "E" on | "H" LINES IN MAVEGUIDES | POIS P2-33 DO YOU MEASURE THE TIME PHASE OF "E" OF "H" LINES IN |                    | "H" LINES IN MAYEGUIDES                                     | POIS P2-35 ARE HIGH POMER PHOBES USED ON WAVEGUIDES OR CAVITY | POTE BOLL OF SOUTH FIRM | TOTAL TANDOL AND LOW FOREM PAUDED ONED ON MAYEGOIDES OR CAVITY PESONATORS YOU WORK ATTE | POZO P2-37 ARE LOOPS USED ON MAYEGUIDES OR CAVITY RESONATORS |  | FOZI PZ-38 ARE APERTURES (*INDOWS OR IPISES) USED ON WAVEGUIDES | POSS PSESSON TREMEMBER THE KIND OF FRERGY COURTING LICED | ON WAVEGUIDES OR CAVITY RESONATORS YOU MORK WITH          | PO23 P2-40 DO YOU DETERMINE WHERE PROBES SHOULD BE HOUNTED IN | MAVEGUIDES OF CAVITY RESONATORS MITHOUT REFERRING TO | TECHNICAL DATA | AL SHOOL OF THE BUSINESS AND SOLICE AND THE STATE OF THE |                                   | POZS PZ-42 DO YOU DETERMINE THE POSITIONING OR SIZE OF APERTURE | IN MAYEGUIDES OR CAVITY RESOMATORS MITHOUT REFERRING TO | TECHNICAL DATA                   |
|---|--|---|--|--|--|--|---|---|----------------|--|--------------------------------|----------------------------|--|--|--|------------------------------|--|--------------------------|--|--|---|-------------------------|---|--------------------|---|---|-------------------------|---|--|--|---|--|---|---|--|----------------|---|-----------------------------------|---|---|----------------------------------|
| PRANSMISSION LINES PRANSMISSION LINES   | TRANSMISSION LINES   | PARD PINIS DO YOU PERFORM THE CALCULATIONS NECESSARY TO | DETERMINE THE INPEDANCE AND LENGTH OF GUARTER - MAVELENGTH | THE CHING TRANSFORMERS TO MATCH TRANSFISSION LINES | SION LINES WHICH ARE   | PATZ PI-ZO DO YOU NORK MITH TALNSMISSION LINES WHICH LAE HETCHED | TO LOADS USING DELTA MATCHING                             | FOR PARTICULAR DOS ATTACKS AND TO TO TO TO TOUR DESTREE | OR REFER TO TH | IMPEDANCE (20) OF TRANSHISSION                               | AC                             | TRENDRICK CINES            | 2  | PART PIEZE DO YOU USE OF REFER TO THE TERM VELOCITY FACTOR (K) | OF THANSMISSION LINES  | ICAL LENGTH OF TRANSHISSION  | LINES FOR TALIBURAL FRESCHES                                     | SION LINES OF PARTICULAR | PASO PITZE DO YOU US: OF REERY TO THE SENERAL BULL THAT IS THE | FREAUENCY INCREASES AND THE PH                   | INES REMAIN CONSTANT, THE ELECTRICAL LENGTH                     | INCREASES               | TOU MORE MITH NORMESONANT (FLAT) THANSMISSION                   | TRANSMISSION LINES | PI-31 00 YOU BORK MITH TRANSMISSION LINES BHICH ARE MATCHED | 97  | TOUR PARSONT LOS        | DO YOU INSPECT MAVEGUIDES OF CAVITY RESONATORS  | PZ-03 DO YOU CLEAN MAVEGUIDES OR                             | TOU BEND MAVEGUIDES OR CAVITY RESONATORS | 9 P2-05 DO TOU PRESSURIZE WAVERUIDES ON CAVITY RESONATIONS      | P2-07 50 YOU PURGE MAVEGUIDES OR CAVITY RESONATORS       | P2-08 BO YOU TROUBLESHOOT MAYEGUIDES OR CAVITY RESONATORS | 2 PZ-59 DO YOU FEMOVE OF INSTALL COMPLETE MAVEGUIDES          | מאלם היבות מת יחת בנותה מה ואצוער                    | P2-12 50 70U   | 996 #2-13 00 TOU PENOVE OF 14574L1 A  | P2-14 00 YOU REMOVE OR INSTALL OF | PAR PZ-15 DO YOU PEMOVE OF 1457ALL                              | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                   | TO SECULAR ON THE STALL COUPLERS |

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|---|---|
| S USED IN MAVEGUIDES OR CAVITY                          | TO YOU THANK HACKETRONS   |
| NS USen IN  | P3-35 00 40U  |
|   | P3-36 DO YOU TROUBLE SHOOT MAGNETH                                |
| SAPACITIVE TUNING                                       | P3-37 00 YOU  |
| INDUCTIVE TUNING  | P3-38 00 100  |
| TOU TOWE TAVITY RESONATORS USING VOLUME TUNING          | PO72 P3=39 DO TOU USE ON NETER TO TE OF ESTA                      |
| PENT OF YOU TUNE CAVITY RESONATORS USING DON'T REMEMBER |   |
| 94  | THOSE CAVITY KLYSTRONS CATCHER CAVITIES                           |
| P2-50 DO YOU MEASURE THE FREQUENCY OF SIGNALS IN CAVITY | 074 P3-41 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF      |
| 0   | THO-CAVITY KLYSTRONS CATCHER GRIDS                                |
| 200   | POTS P3-42 DO YOU USE OR REFER TO THE UTENT TOOPS                 |
|   | POTE PARTY NO USE OF REFER TO THE OPERATING PRINCIPLES OF         |
| USE OF REFER TO   | TWO-CAVITY KLYSTRONS DRIFT SPACES                                 |
| USE OF REFER TO FLECTRON TANDET NO.                     | POTT P3-44 DO YOU USE OR REFER TO THE OPERATING PHINCIPLES UP     |
| OR REFER TO RE LOSSES IN EXTERNAL                       | THO-CAVITY KLYSTRONS BUNCHER GRIDS                                |
| > 1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -               | TOTA THE TANK THE STRONG BUNCHER CAVITIES                         |
|   | POTO P3-46 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF     |
| MODULATION SEED TO FIFTHON BUNCHING                     | THO-CAVITY KLYSTRONS CONTROL GRIDS                                |
| BORK WITH THO-CA  | DOOD PULLY DO TOU USE ON METERN OF THE CO.                        |
| 200   | THOUGHT IN THE TO YOU USE ON REFER TO THE OPERATING PRINCIPLES OF |
| 00 YOU WORK WITH  | REFLEX KLYSTRON   |
| POZOZ TILE YEOR   |   |
| Salla   | REFLEX KLTSTKON GRIDS   |
| 00 YOU #08K #17H UP-CD                                  | AFFLEX KLYSTRON GRID CAVITY GAPS                                  |
|   |   |
| TOTAL STREET  |   |
| 7 50 YOU TUNE KLTSTRONS                                 | POBS P3-52 DO TOO OUT OF THE LOOPS                                |
| 8 00 TOU TUNE KLYSTRONS                                 |   |
| 9 DO YOU PERFORM OPERATIONAL CHECKS OF KLISTICHS OF     | REFLEX KLYSTRON   |
|   | OR REFER TO THE OPERATING TRINCITES                               |
| HO BAD  | PORE PARES NO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF     |
| 100   | REFLEX KLYSTRON OUTPUT LEADS                                      |
| 1 00 00   | POB9 P3-56 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF     |
|   |   |
| TOTAL TOTAL TOTAL TENENT TOTAL                          | aJ .  |
| DO TOU PERFORM OPERATION                                | TRAVELINGTMENT E TORES CATTOURS OPERATING PRINCIPLES OF           |
| 16.85   | THE VELLE THE TURES HODULATOR GRIDS                               |
| PU-28 50 TOU TROUBLESHOOT PARKETHIC AMPLIFICANS         | PO92 P3-59 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF     |
|   | TRAVELING-MAYE TUBES ANDDES                                       |
| P3-30 00 TOU REMOVE OR REPLACE PARMETRIC AMPLIFIER      | TALVELING-WAVE TURES HELIXES                                      |
|   | LE OPER TING PRINCIPLES   |

PAGE 110 AF FUMAN RESOURCES LABORATORY PAGE 110 AIR FORCE SYSTEMS COMMAND

| DO COCH THE WALL TANK ON   | 1-13 W - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -                  |
|--|---|
| VISUAL READOUT SYSTEMS   | TI-2" DO YOU PERFORM TASKS ON                                 |
| S ON NIXIE LIGHTS OR HIXIE   | 11-25   |
| LIGHT DECODER SYSTEMS  | TIBY TI-26 DO YOU PERFORM TASKS ON SPHERICAL MIRRORS          |
| GHT DECODER SYSTEMS USING  | TI-27 DO YOU PERFORM TASKS ON PLANE MIPRORS                   |
| BOOLEAN ALGEBRA  | 15-01   |
| SZ-01 DO TOU MORK MITH PHOTO TUBES IN YOUR PRESENT JOB   | LASE  |
| SI-OI IN TOUR PRESENT JOB DO TOU MORK MITH CHOPPER CIPCUITS  | 12-05   |
| 53-02 00 YOU MEASURE EXCITATION FREGUENCIES  | TIBB TZ-03 DO YOU CLEAN LASER SYSTEMS                         |
| DO YOU MEASURE VOLTAGE-CURRENT PHASE RELATIONSHIPS   | 12-04   |
| S3-04 DO YOU USE OR REFER TO EXCITATION FREQUENCIES  | 12-05 00  |
| S3-05 DO YOU USE OR REFER TO VOLTAGE-CURRENT PHASE   |   |
| SHIPS  | LASER SY  |
| YOU USE SERVOS IN CONJUNCTION WITH CHOPPER   | TI92 T2-07 DO YOU TROUBLESHOOT MAJOR ASSEMBLIES OF LASER      |
| OPERATION  | SYSTEUS   |
| TOU USE DETECTORS IN CONJUNCTION WITH CHOPPER  | TIPS T2-38 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF LASER    |
| CIRCUIT OPERATION  | SYSTEMS   |
| TOU USE ERHOR SIGNAL DEVICES IN CONJUNCTION WITH   | TISH T2-09 DO YOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF LASER |
| CHOPPER CIRCUIT OPERATION  | SYSTEMS   |
| TOU USE COMPARISON CIPCUITS IN CONJUNCTION MITH  | TIPS T2-10 DO YOU REHOVE OR REPLACE COMPONENT PARTS OF LASER  |
| CHOPPER CIRCUIT OPERATION  | SYSTEMS   |
|  | 72-11 00 YOU USE OR REFER TO                                  |
| INFRARED, LASERS, AND DISPLAY TUBES  | T2-12 DO YOU USE OR REFER TO                                  |
|  | YOU USE OR REFER TO   |
| TISS TIMOI DOES YOUR PRESENT JOB INVOLVE ANY TASKS DEALING WITH  | 12-14   |
| INFRARED SYSTEMS   | 72-15 00 YOU USE OR REFER TO                                  |
| TIED TI-DE DO YOU INSPECT INFRARED SYSTEMS   | YOU USE OR REFER TO   |
| TI-03 DO YOU CLEAN INFRAPED SYSTEMS  | 72-17 50 YOU USE OR REFER                                     |
| TIES TINGE DO YOU ADJUST OF CALIBRATE INFRARED SYSTEMS   | T203 T2-18 50 YOU USE OR REFER TO STIMULATED EMISSION         |
| TITOS DO YOU OPERATE INFRARED SYSTEMS  | YOU USE OR REFER TO   |
| TI-06 DO TOU TROUBLESHOOT MIRE CONNECTIONS OF INFRARED   | 72-20 00 YOU USE OR   |
| SI LIVE  | 12-21 no You USE OR   |
| TIPE TIPET DO YOU TROUBLESHOOT MAJOR ASSENDLIES OF INFRARED  | 12-22 00 100  |
| SYSTEMS  | 72-23 DO TOU  |
| THE TIME DO YOU THOUSESHOOT DON'TO INFRARED SYSTEM   | 12-24 00  |
|  |   |
| TIST TI-DS DO YOU WEMOVE OR REPLACE MAJOR ASSEMBLIES OF  | T210 T2-25 DO YOU WORK MITH HALF SILVERED 1924 REFLECTIVE!    |
| INFRARED SYSTEMS   | SHORE   |
| DVE OR REPLACE INFRARED SYSTEM   | 12-26 DO YOU WORK   |
| DRENT PAPTS  | 12-27 00  |
| TI-11 00 YOU USE OR REFER TO FAR REGION  | 72-28 50 70U MORK   |
| DO TOU USE OR REFER TO INTERMEDIATE REGION   | 12-29 DO YOU WORK WITH  |
| TI-13 DO YOU USE OR REFER TO NEAR REGION   | YOU WORK WITH   |
| TI-14 DO YOU USE OR REFER TO HICRON  | 72-31 50 TOU  |
| REFER TO GRAY BODIES   | 72-32 00 TOU MORK   |
| OR REFER TO BLACK BODIES   | 100   |
| TINIT OF YOU USE OF BEFFE TO ANSORPTION  | 12-34 00  |
| TI-18 00 TOU USE OR REFER TO   | 1001  |
| TI-19 DO YOU USE OR REFER TO   | SUCH AS DIRECT VIEW STORAGE (NYST) OR MULT                    |
| 11-20 00 100 PERFORM TASKS ON  |   |
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AIR FORCE OCCUPATIONAL MEASUREMENT CENTER LACKLAND A--ETC F/G 5/9 ELECTRONICS PRINCIPLES OCCUPATIONAL SURVEY REPORT, INTEGRATED A--ETC(U) DEC 76 T J O'CONNOR, G B COLE

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## INFORMATION

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| REPORT NUMBER  | ENTATION PAGE                              | READ INSTRUCTIONS BEFORE COMPLETING FORM   |
|--|--|--|
| REPORT NUMBER  | 2. GOVT ACCESSION NO.                      | 3. RECIPIENT'S CATALOG NUMBER  |
| AFPT 90-326-222  | AD A040 750                                |  |
| Electronics Principles O<br>Integrated Avionics Comp<br>AFSCs 326X1C, 326X1D, an |  | 5. TYPE OF REPORT & PERIOD COVERED FINAL May 76 - August 76 6. Performing org. Report Number |
| and transmitted a facilities   | beterantii te tualmete e                   | raid on a line as the state as a fit   |
| Thomas J. O'Connor<br>Guy B. Cole  | des component materials and                | 8. CONTRACT OR GRANT NUMBER(#)   |
| Occupational Survey Bran<br>USAF Occupational Measur<br>Lackland AFB TX 78236    | ch   | 16. PROGRAM ELEMENT, PROJECT, TASK<br>AREA & WORK UNIT NUMBERS                               |
| CONTROLLING OFFICE NAME AND A  | DDRESS                                     | 12. REPORT DATE<br>27 December 1976  |
| SAME AS ITEM 9   |  | 13. NUMBER OF PAGES  |
| MONITORING AGENCY NAME & ADDR  | RESS(II different from Controlling Office) | 15. SECURITY CLASS. (of this report) UNCLASSIFIED  |
|  |  | 15a. DECLASSIFICATION/DOWNGRADING  |
| Approved for public fere   | ase; distribution unlimit                  | ed   |
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